

FIG. 2A

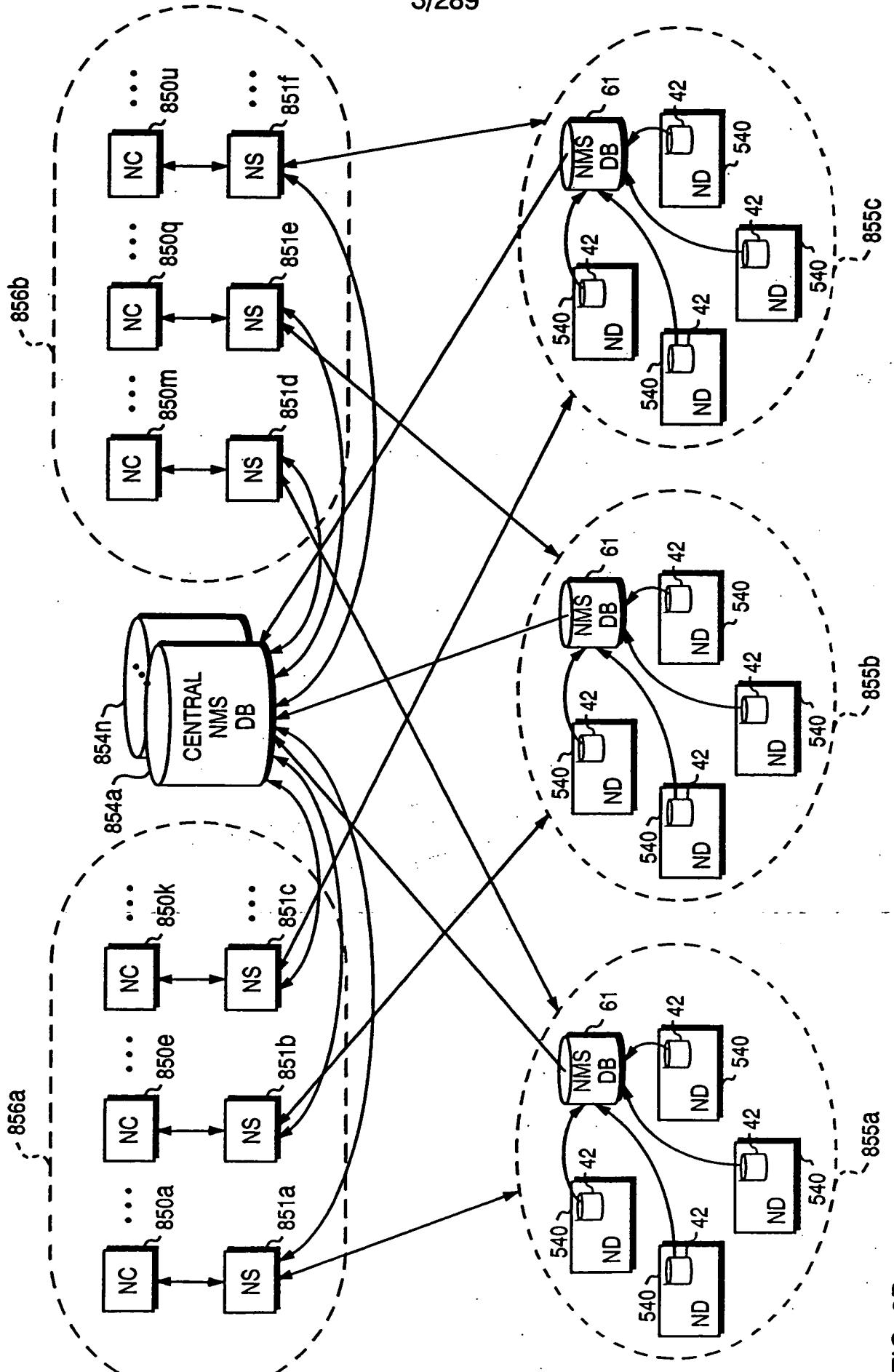


FIG. 2B

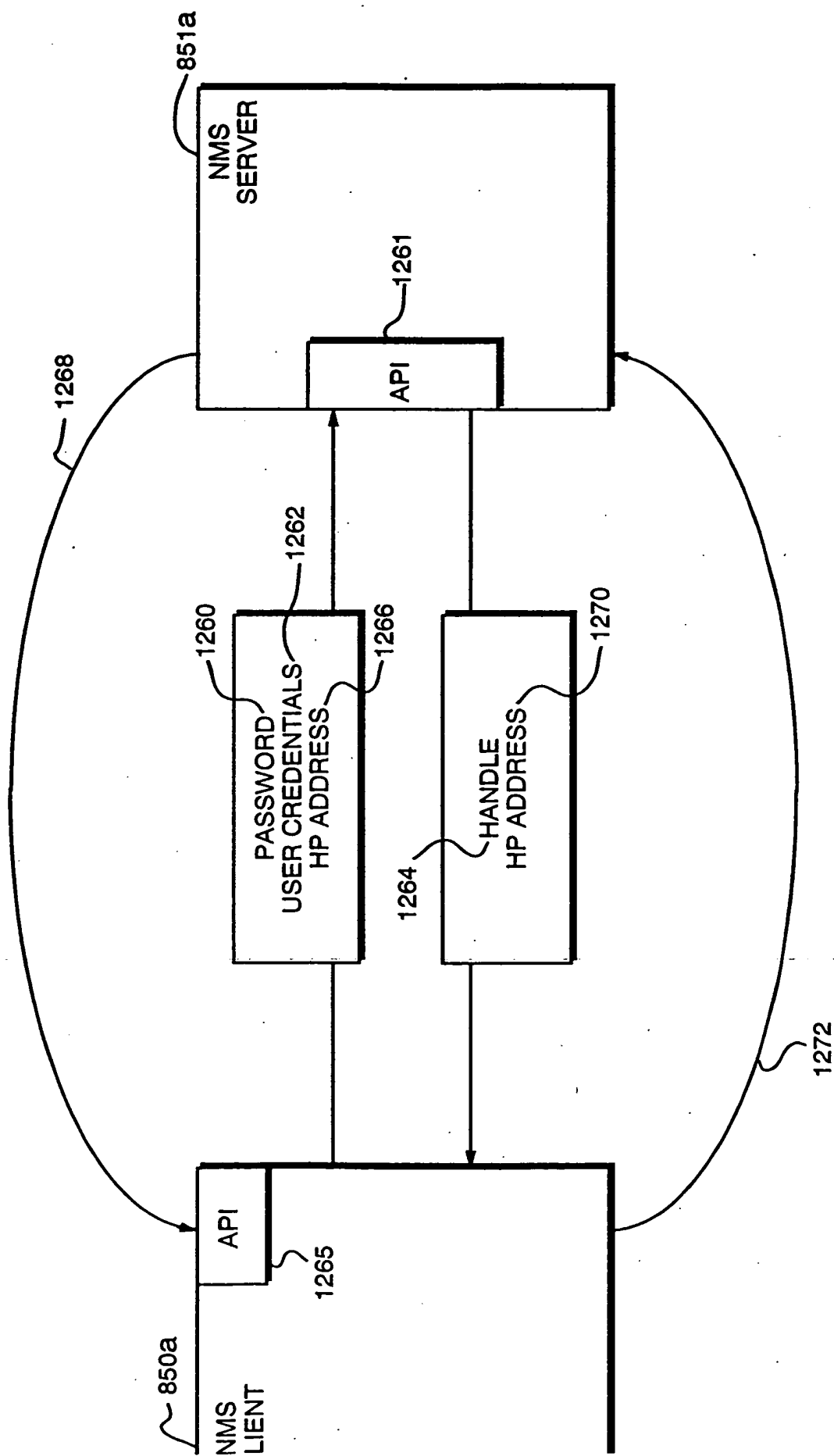


FIG. 2C

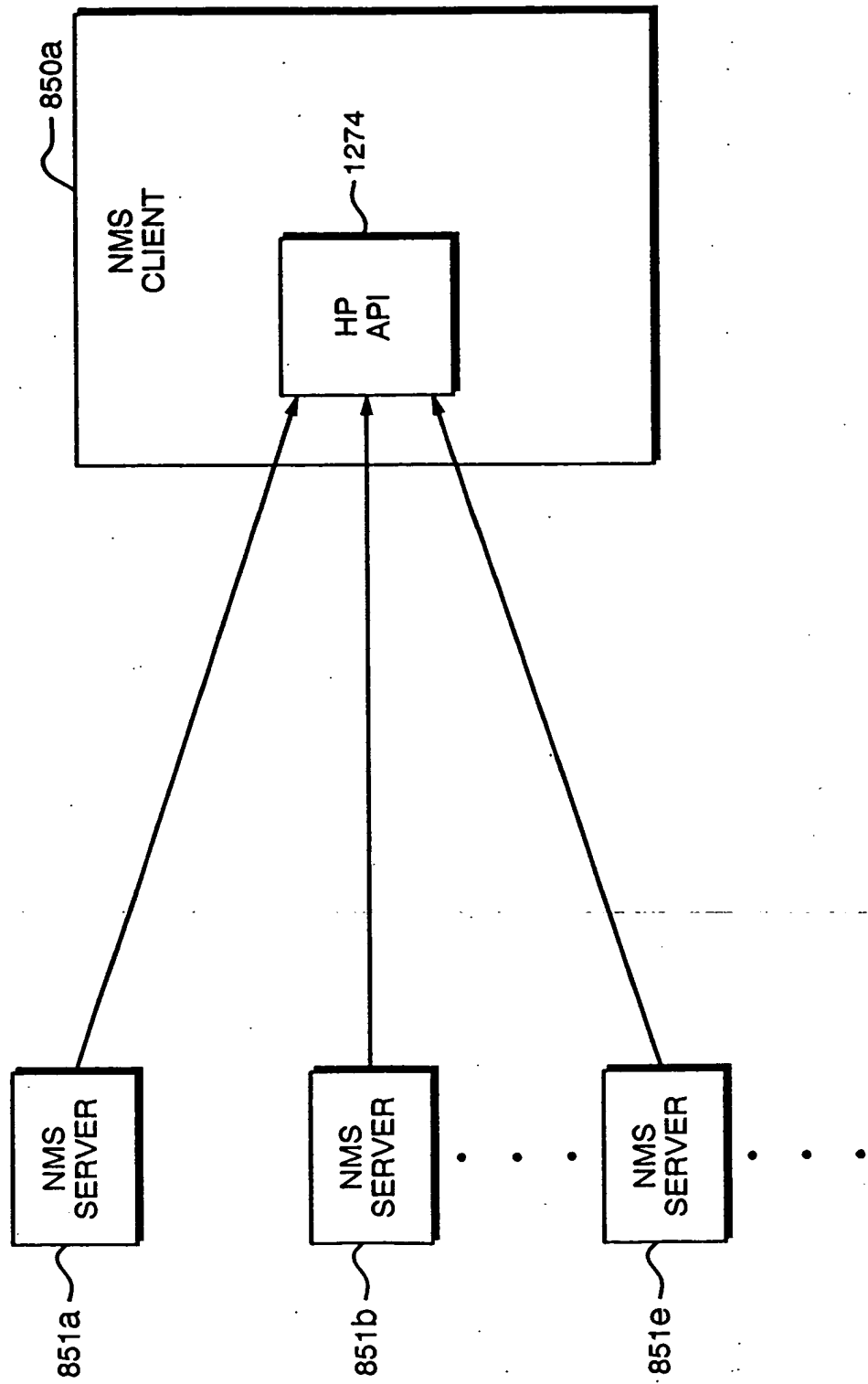


FIG. 2D

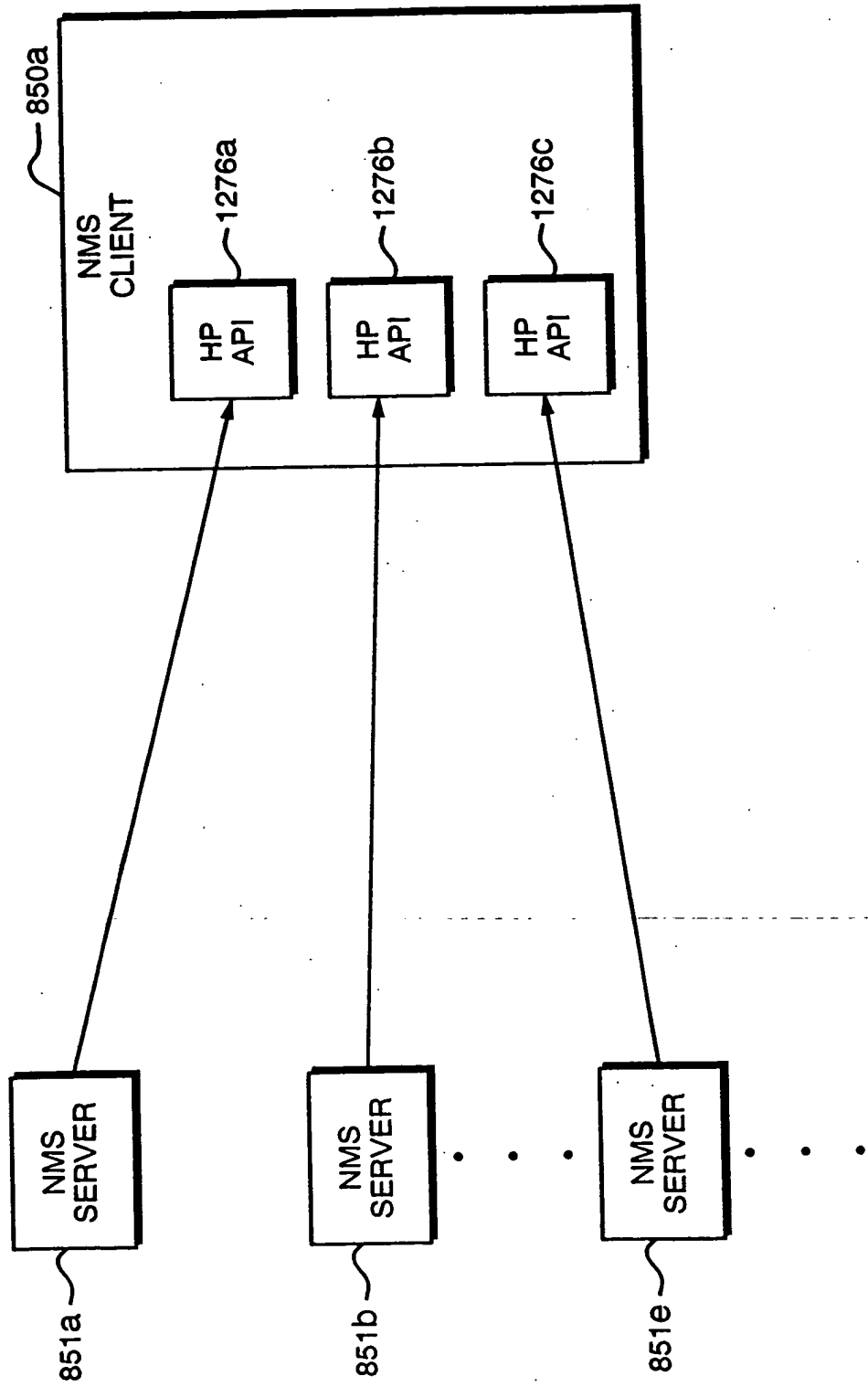


FIG. 2E

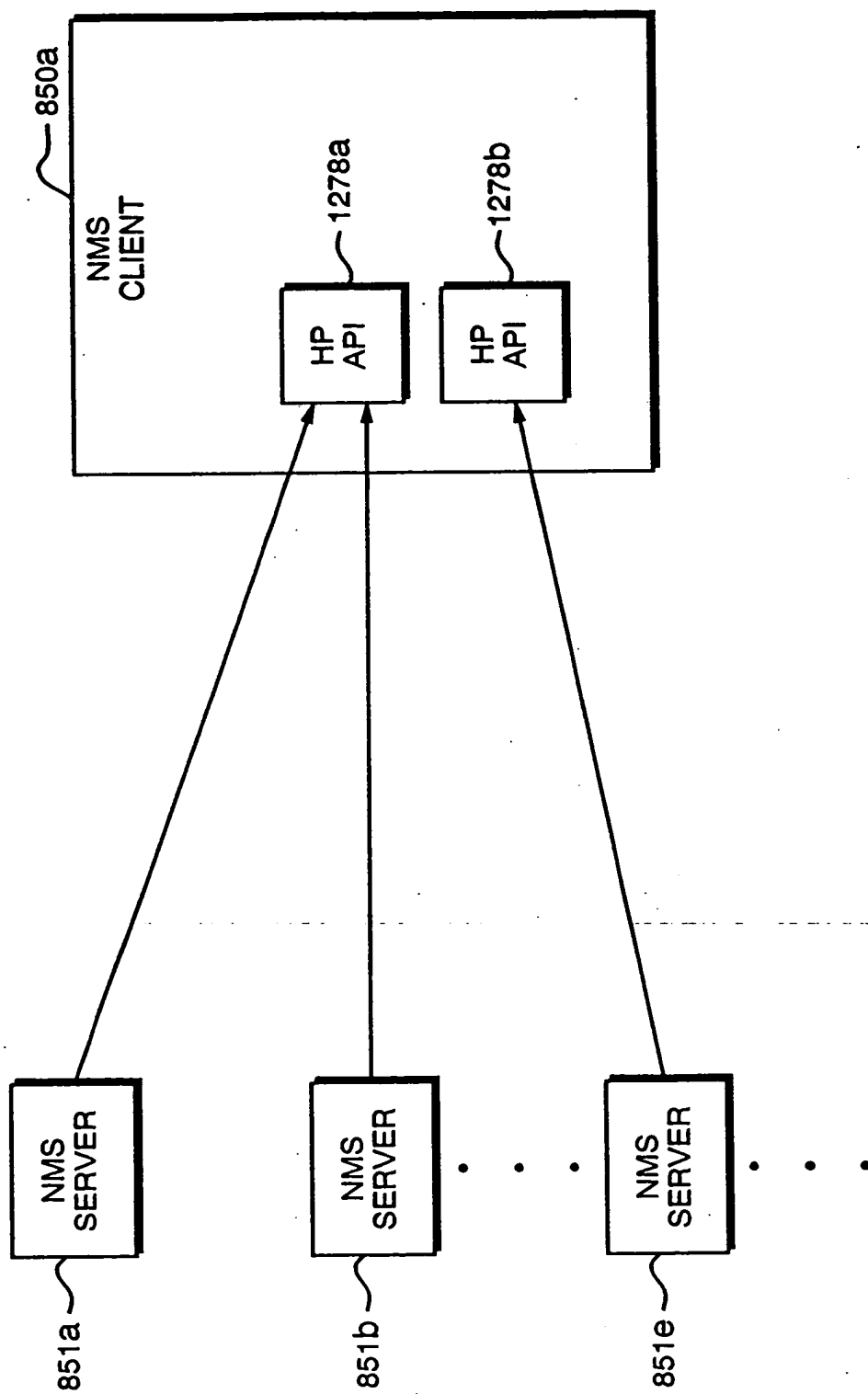


FIG. 2F

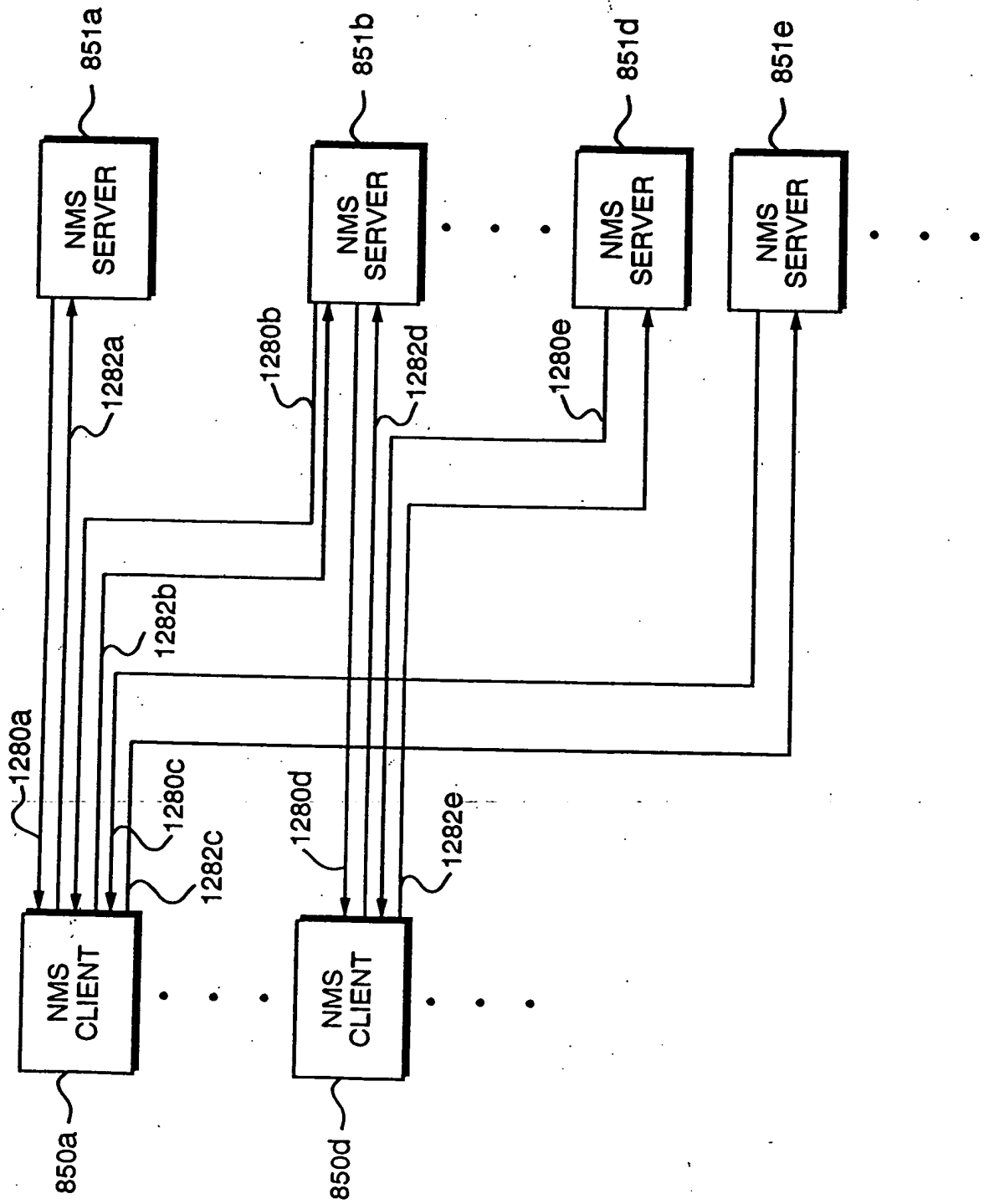


FIG. 2G

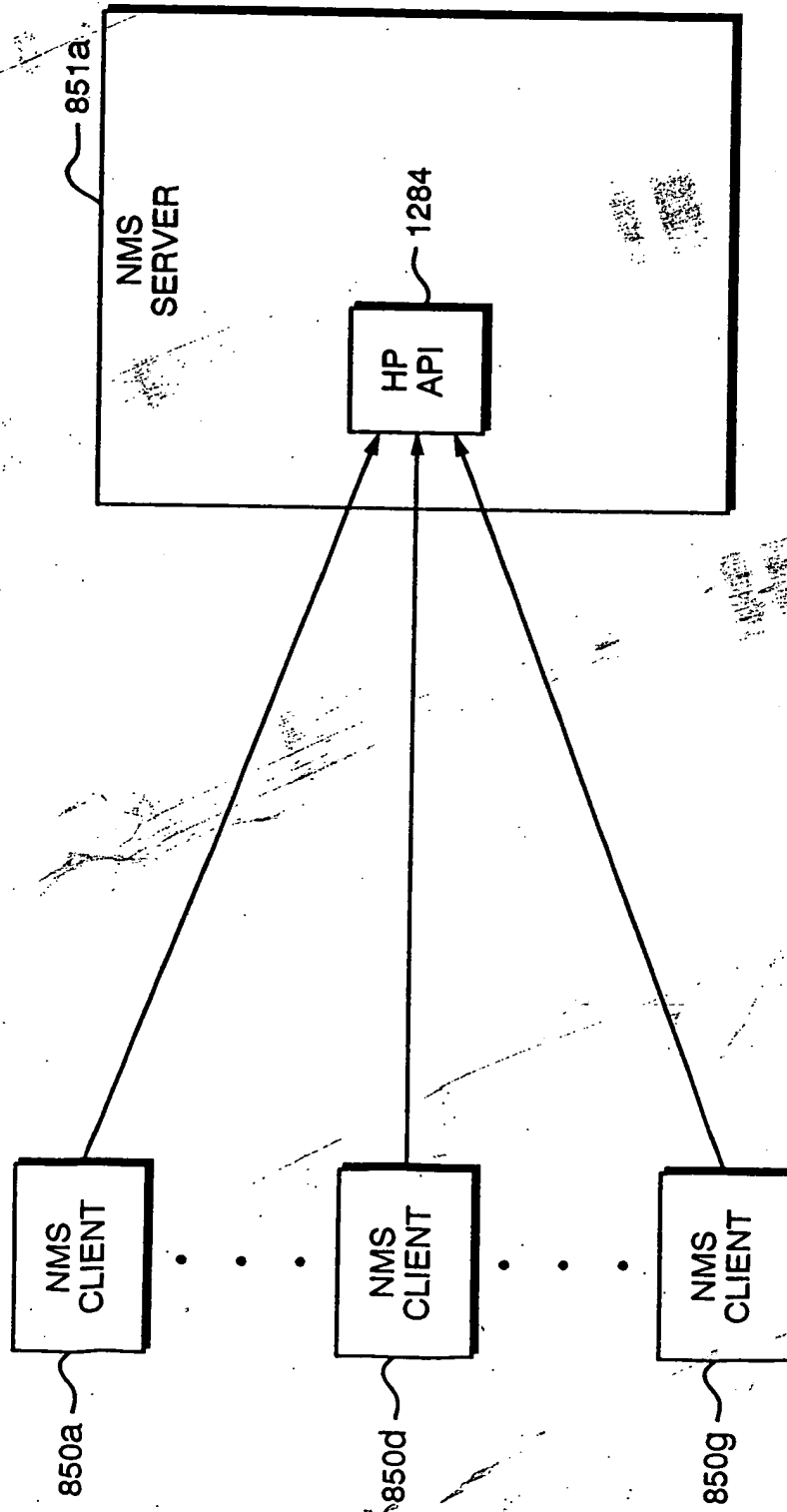


FIG. 2H

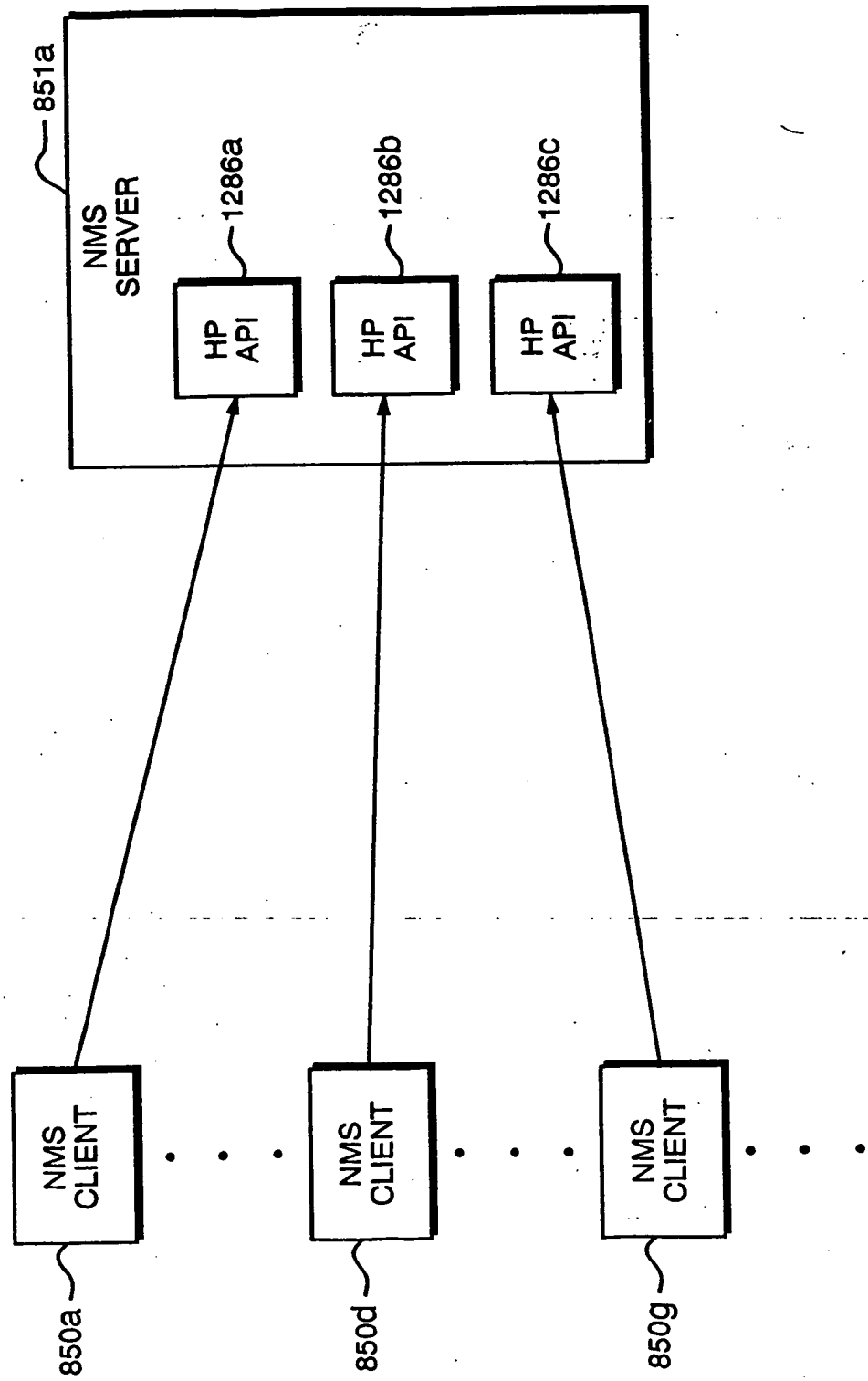


FIG. 2I

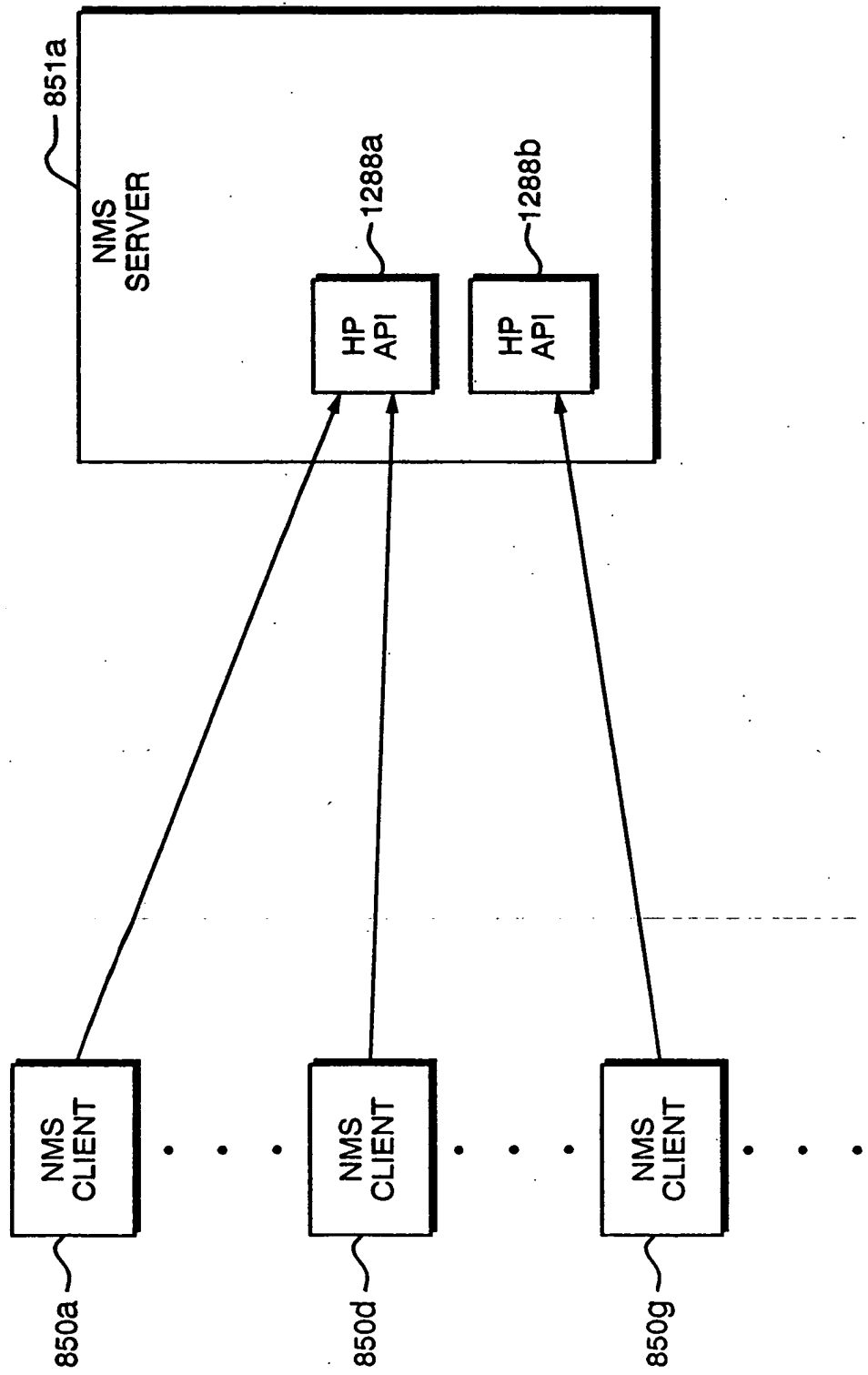


FIG. 2J

12/289

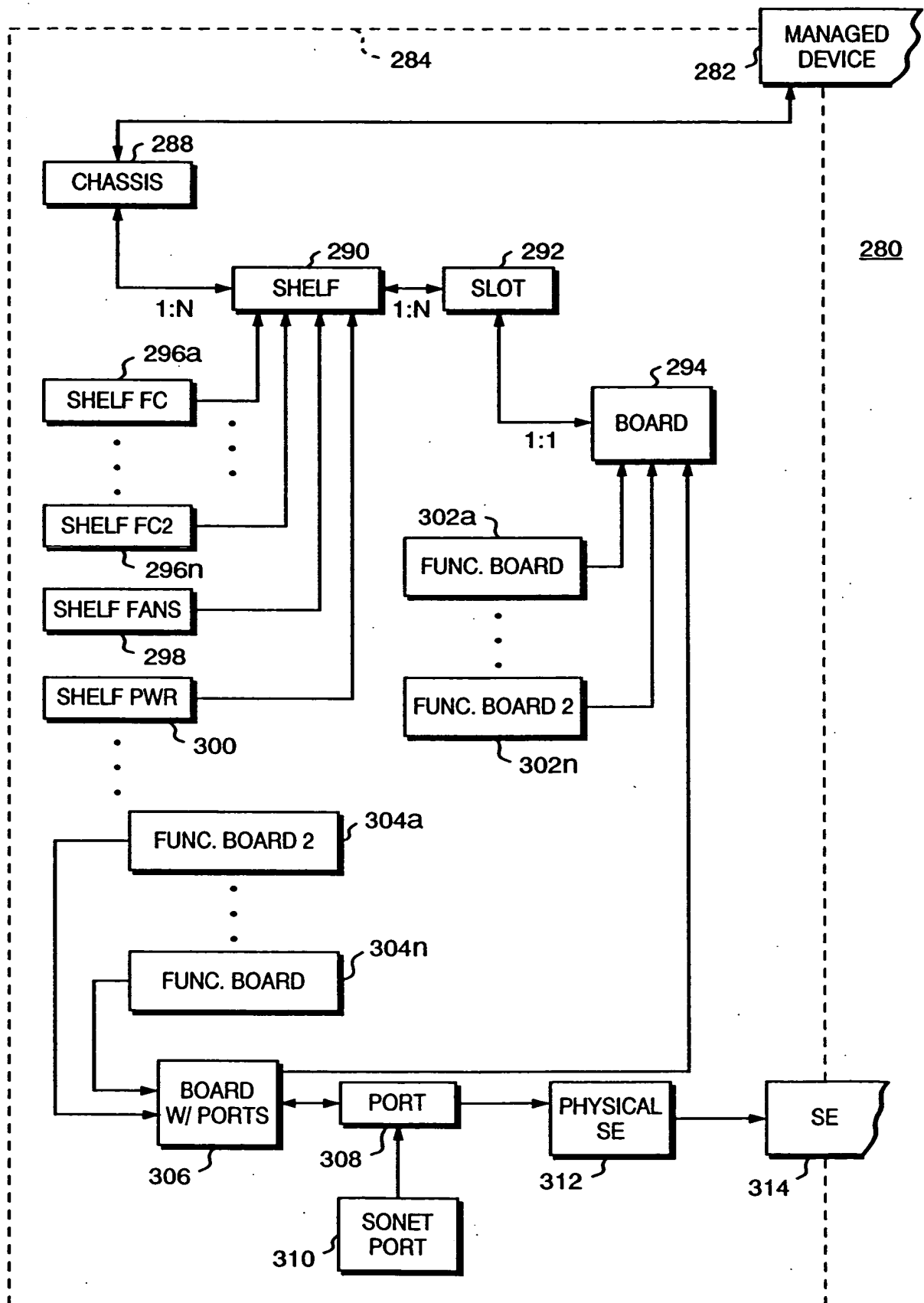


FIG. 3A

13/289

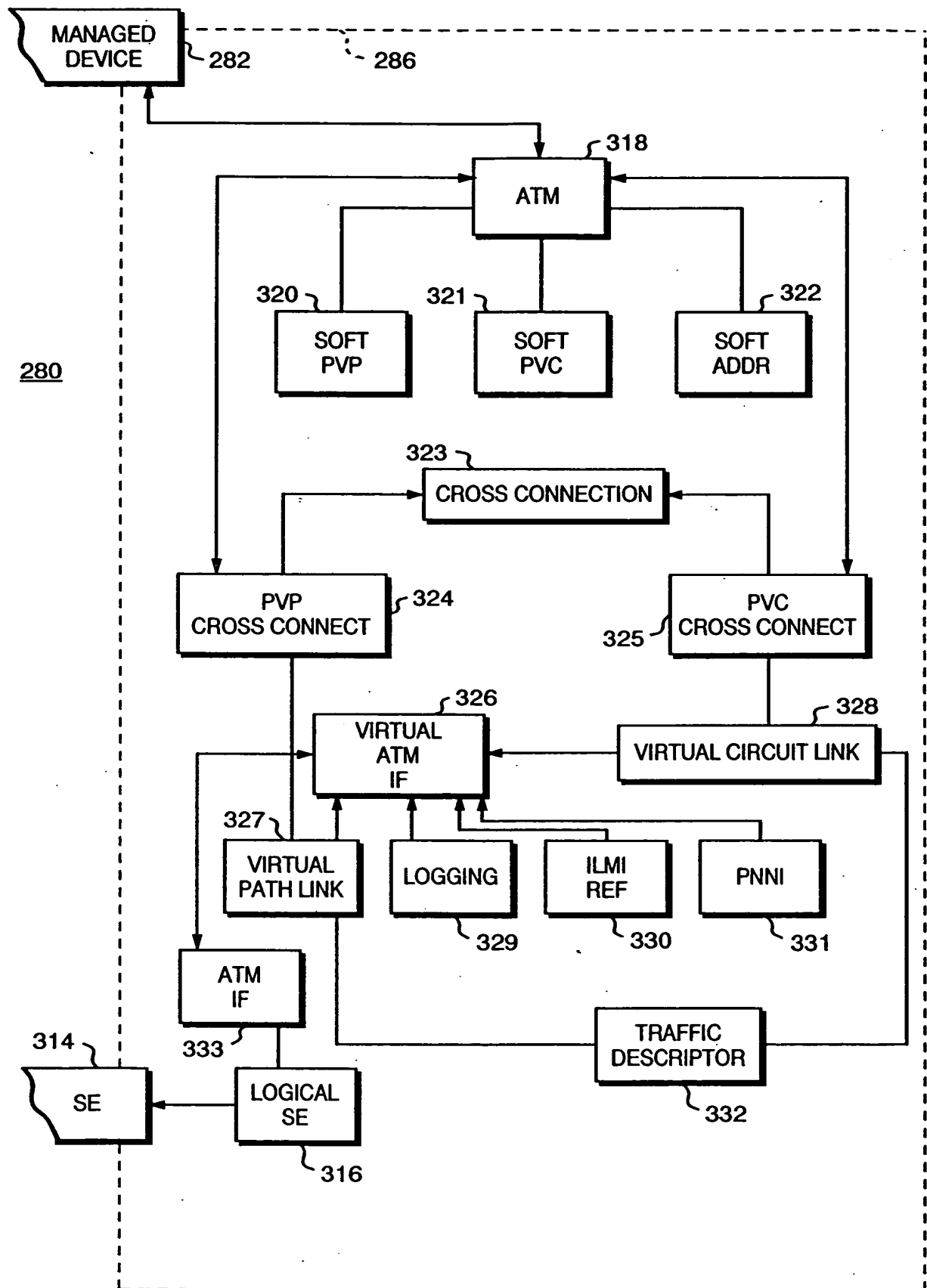
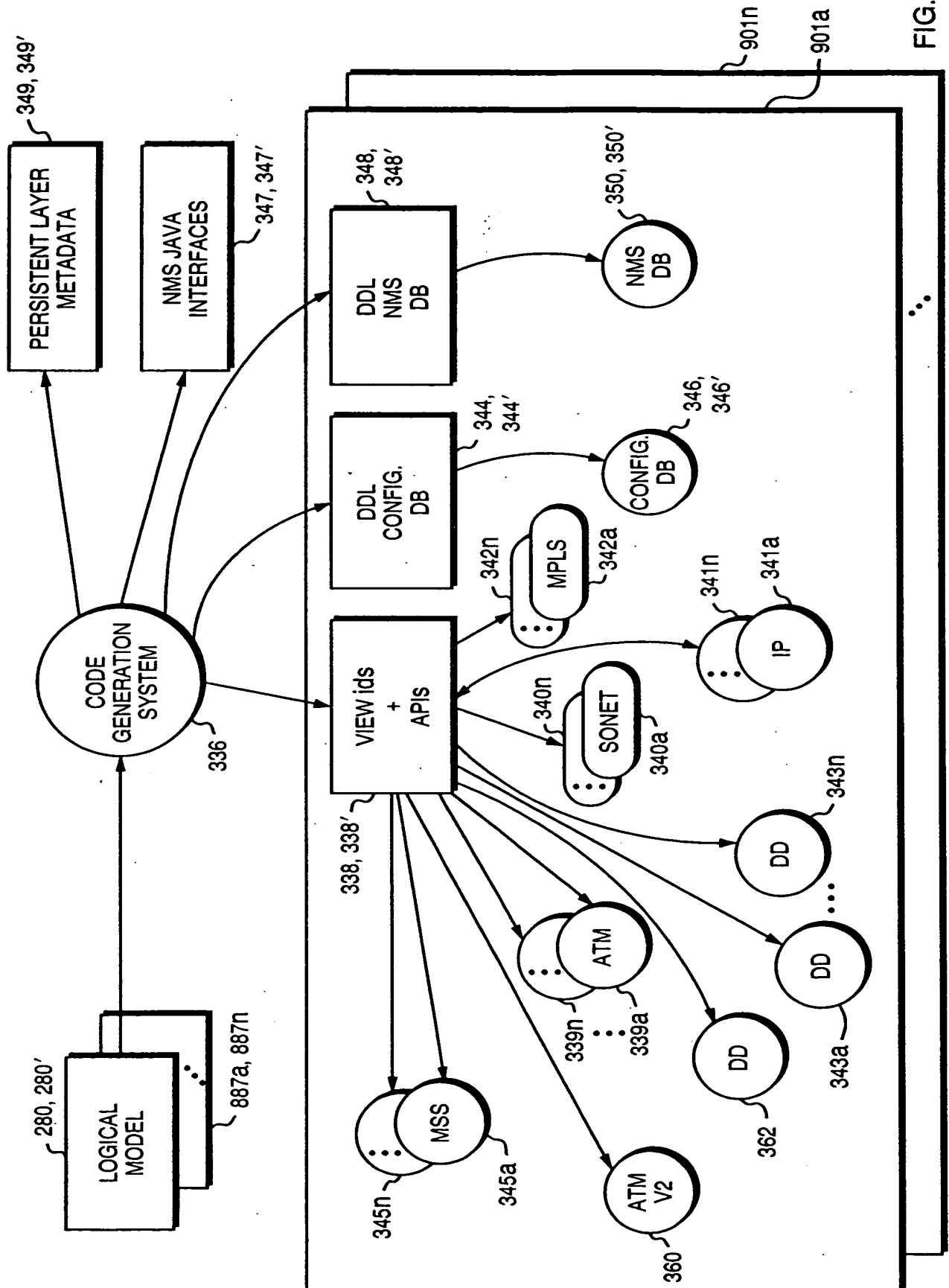


FIG. 3B



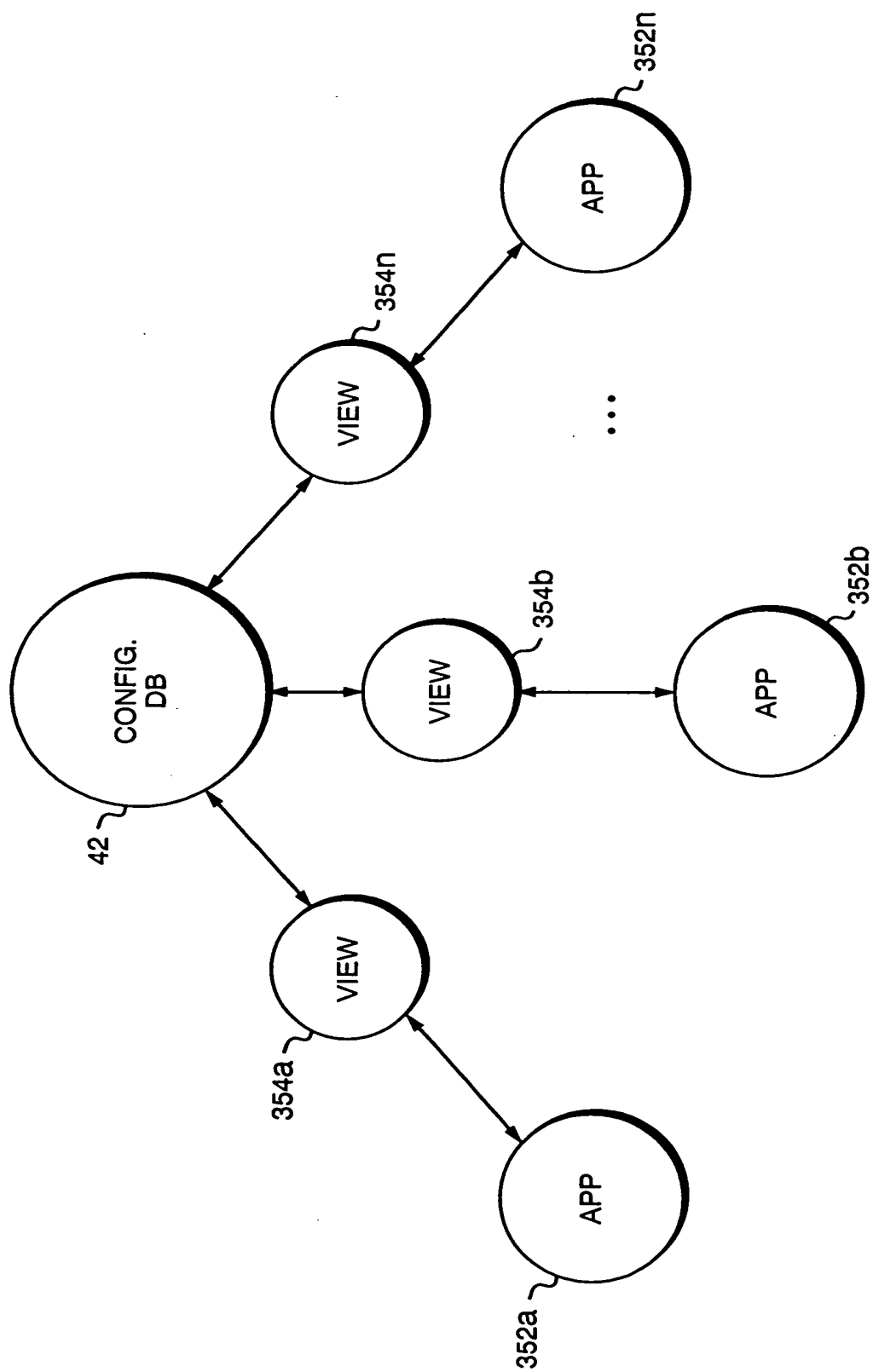


FIG. 3D

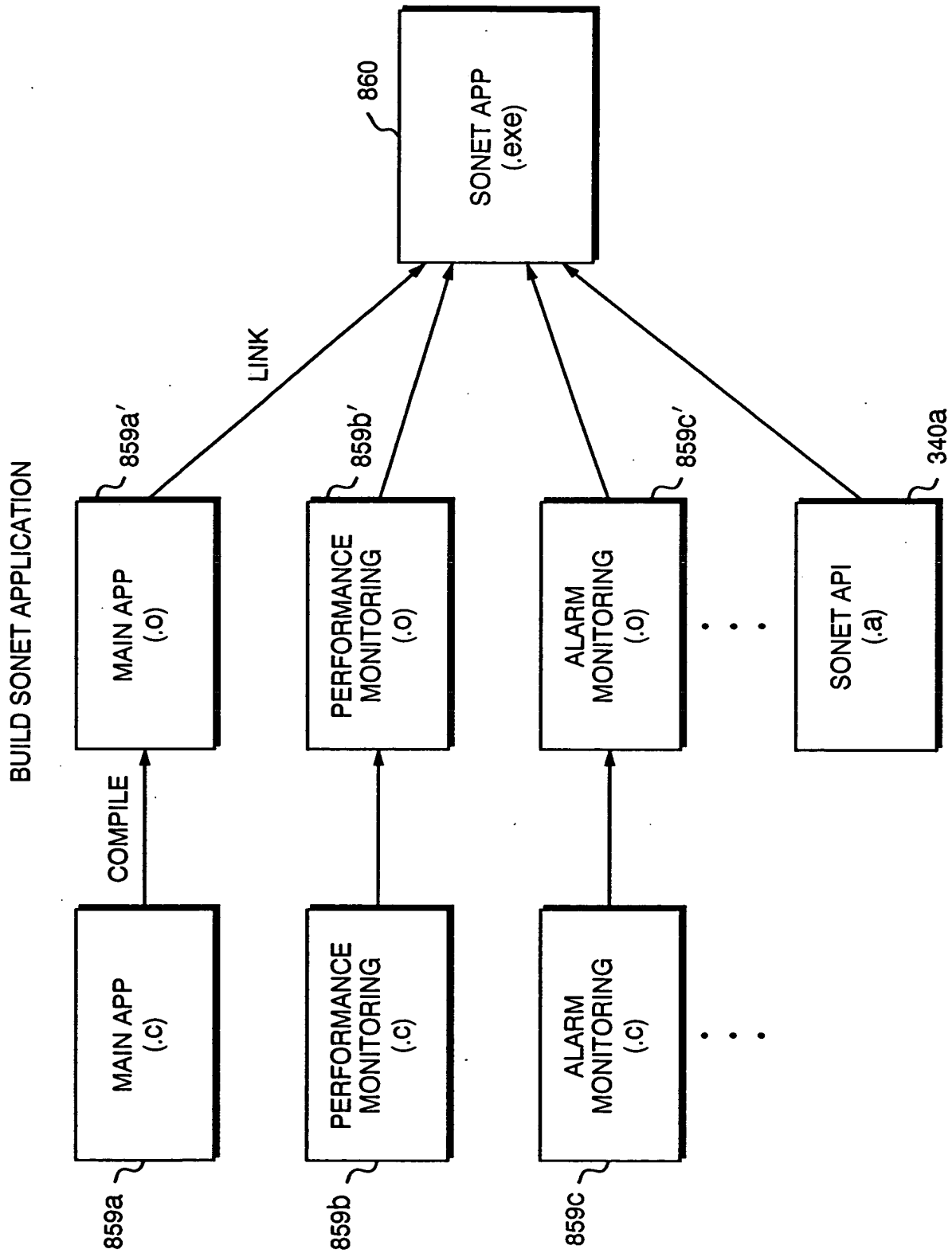


FIG. 3E

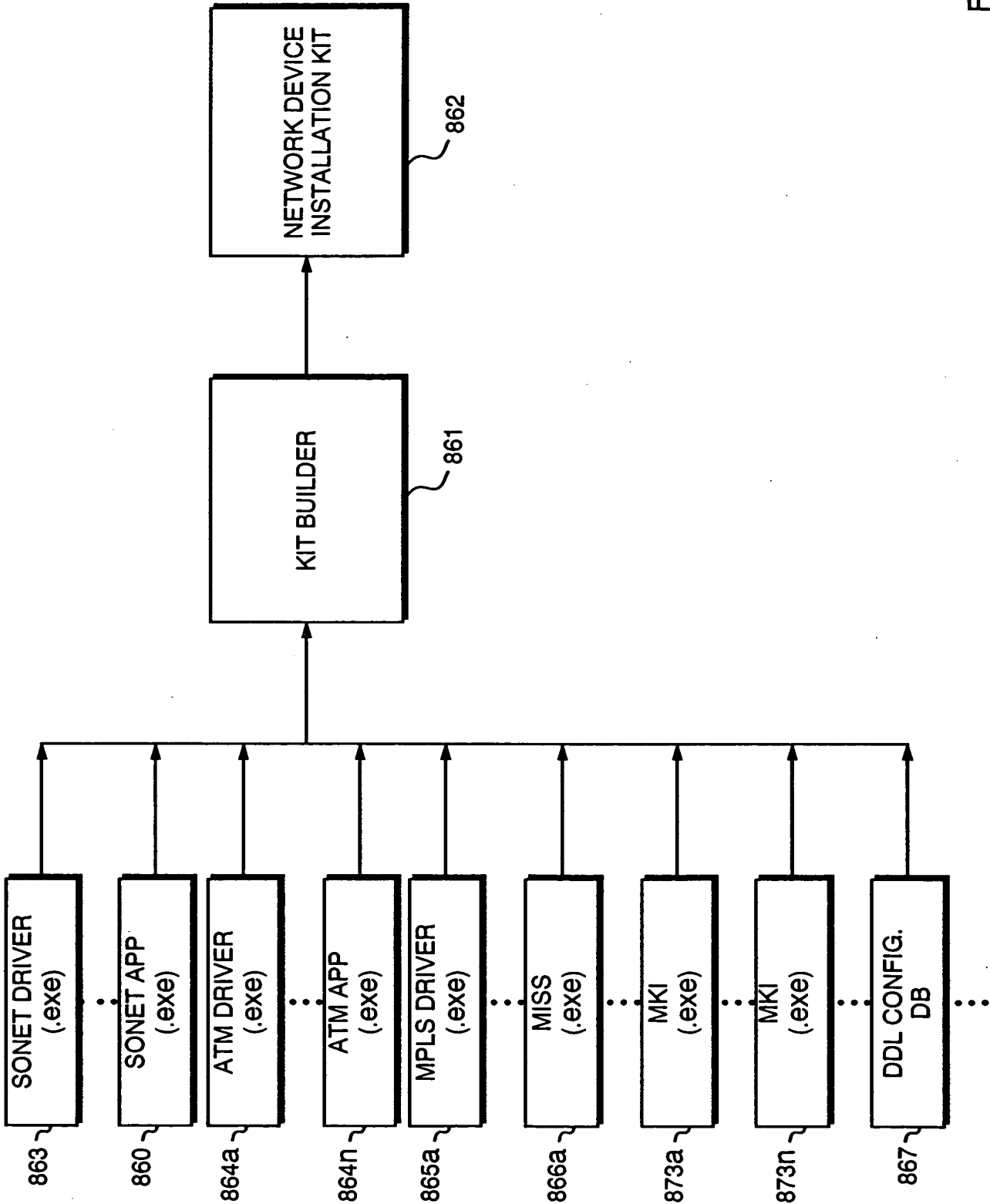


FIG. 3F

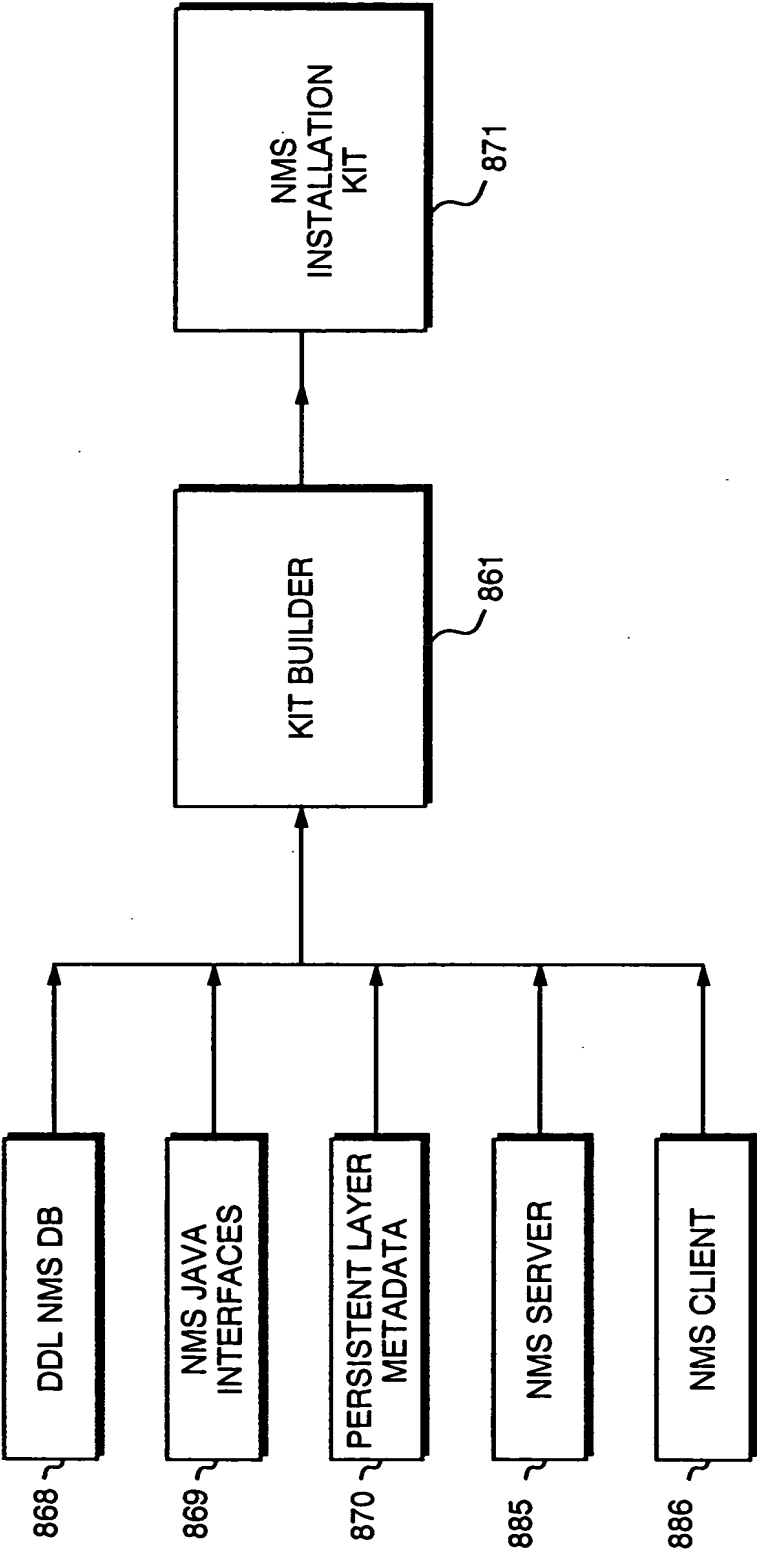


FIG. 3G

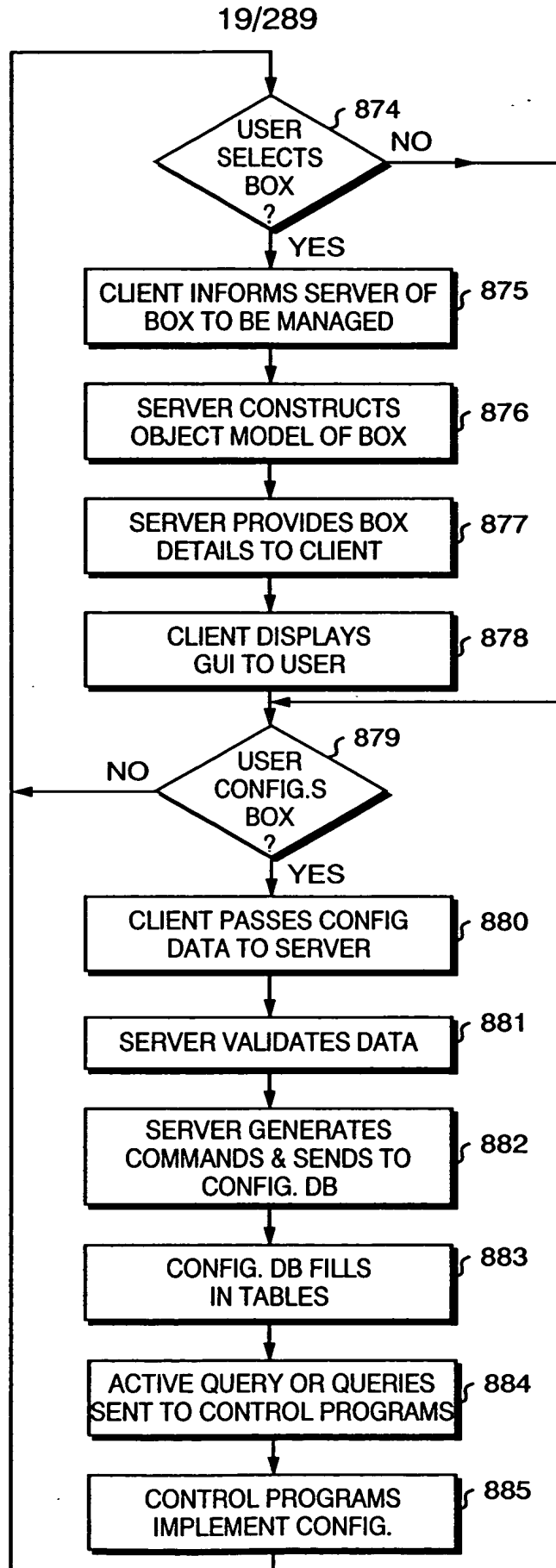


FIG. 3H

20/289

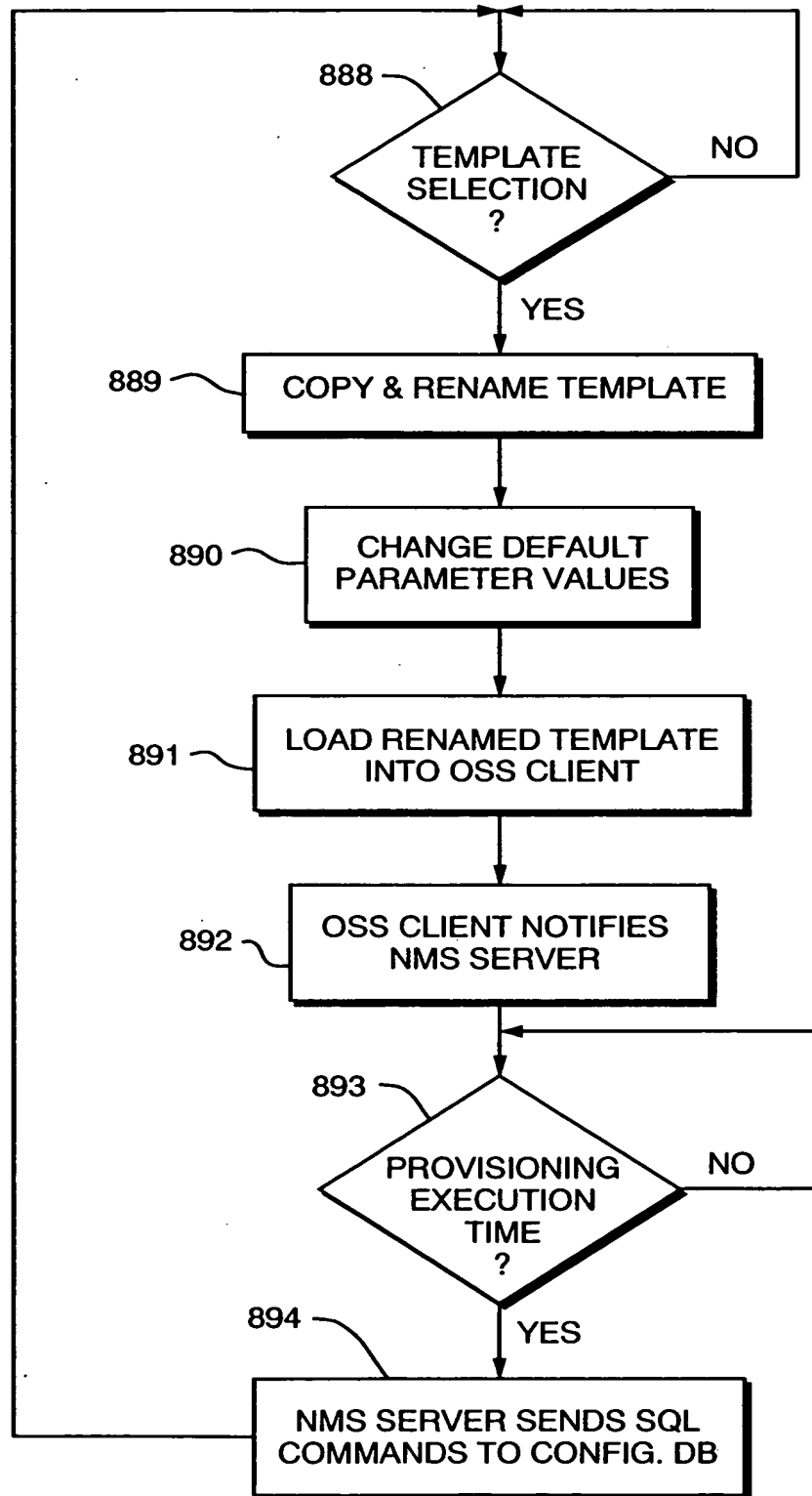
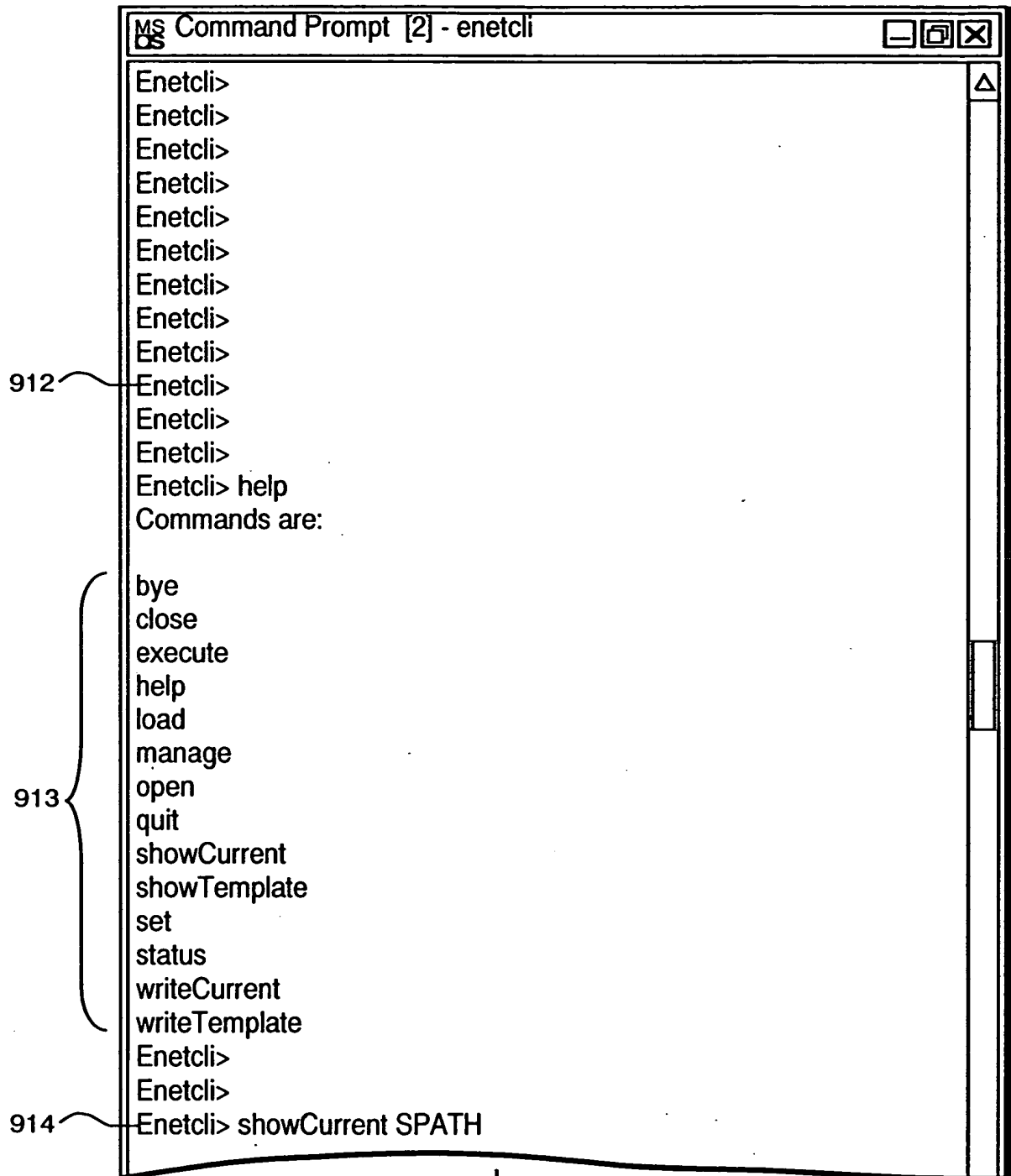


FIG. 3I



↓
TO FIG. 3K

FIG. 3J

FROM FIG. 3J

```

ATMIfName=ATMIf11/1/1
Concatenated=false
Name=Path11/1/1
Operant=SPATH
Operator=Create
PortID=1
Position=1
Service=ATM
ShelfID=11
SlotID=1
Type=Terminated
Version=V1_1_0_0
Width=STS3
Enetcli>
Enetcli>
Enetcli>
Enetcli> showTemplate SPATH
ATMIfName=<String>[TerminatedOnly]
Concatenated=<true:false>
Name=<String>
Operant=SPATH
Operator=<Create:Replace:Update:Delete>
PortID=<Integer><1-16>
Position=<Integer>
Service=<None :ATM>
ShelfID=<11[top],13[bottom]>
SlotID=<Integer><1-8>
Type=<switched :Terminated>
Version=V1_1_0_0
Width=<STS1:STS3:STS12:STS48>
Enetcli>
Enetcli>
Enetcli> status
Not currently connected to server
Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF
Enetcli>

```

915 {

916 {

917 {

918 {

919 {

920 {

FIG. 3K

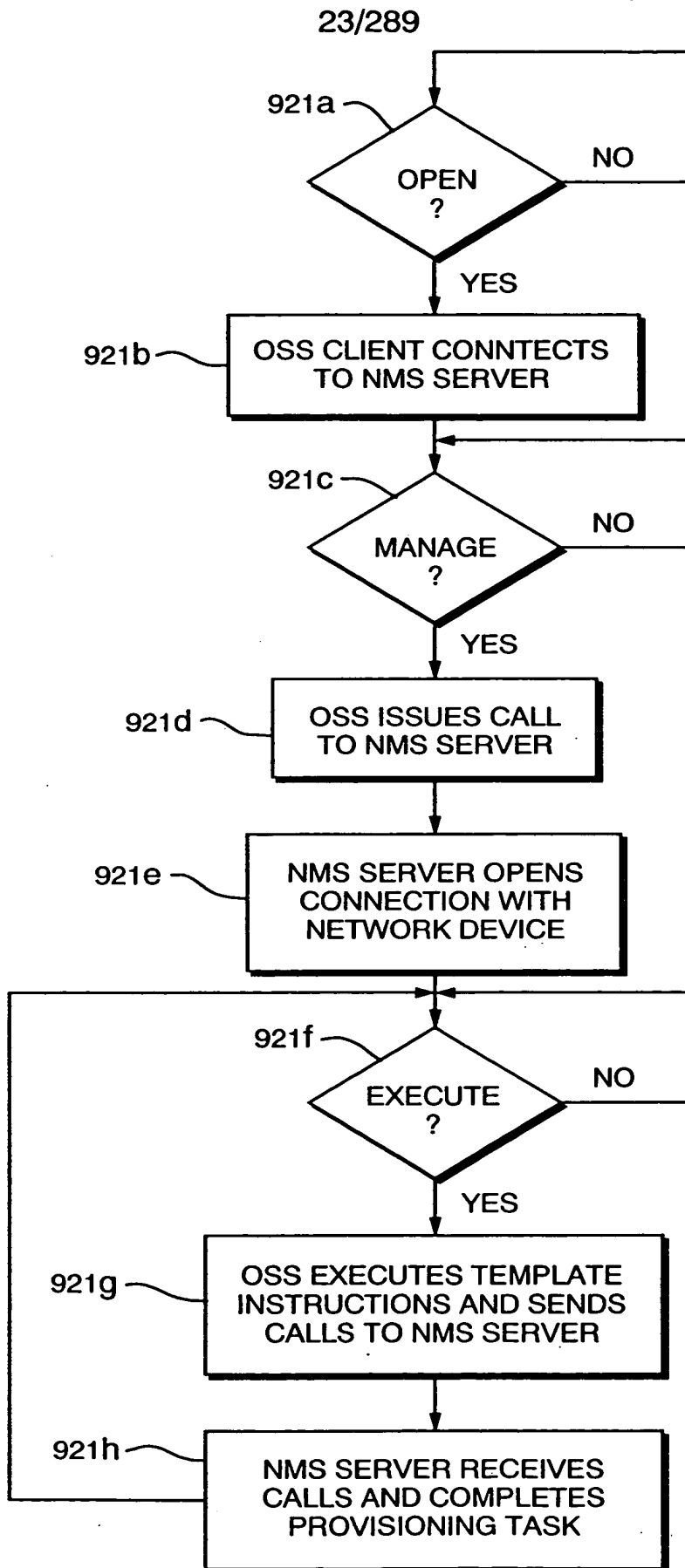


FIG. 3L

```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3M

25/289

BATCH

924



Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a ~ TASK1=execute-SPATH

924b ~ TASK2=execute-PVC

924c ~ TASK3=execute-SPVC

924d ~ TASK4=load-SPVC-spvc1

924e ~ TASK5=execute-SPVC

924f ~ TASK6=load-SPVC-spvc2

924e ~ TASK7=execute-SPVC

.

.

924g ~ TASK50=set-SPATH-PortID-3

924h ~ TASK51=execute-SPATH

924i ~ TASK52=set-SPATH-SlotID-2

924j ~ TASK53=execute-SPATH

FIG. 3N

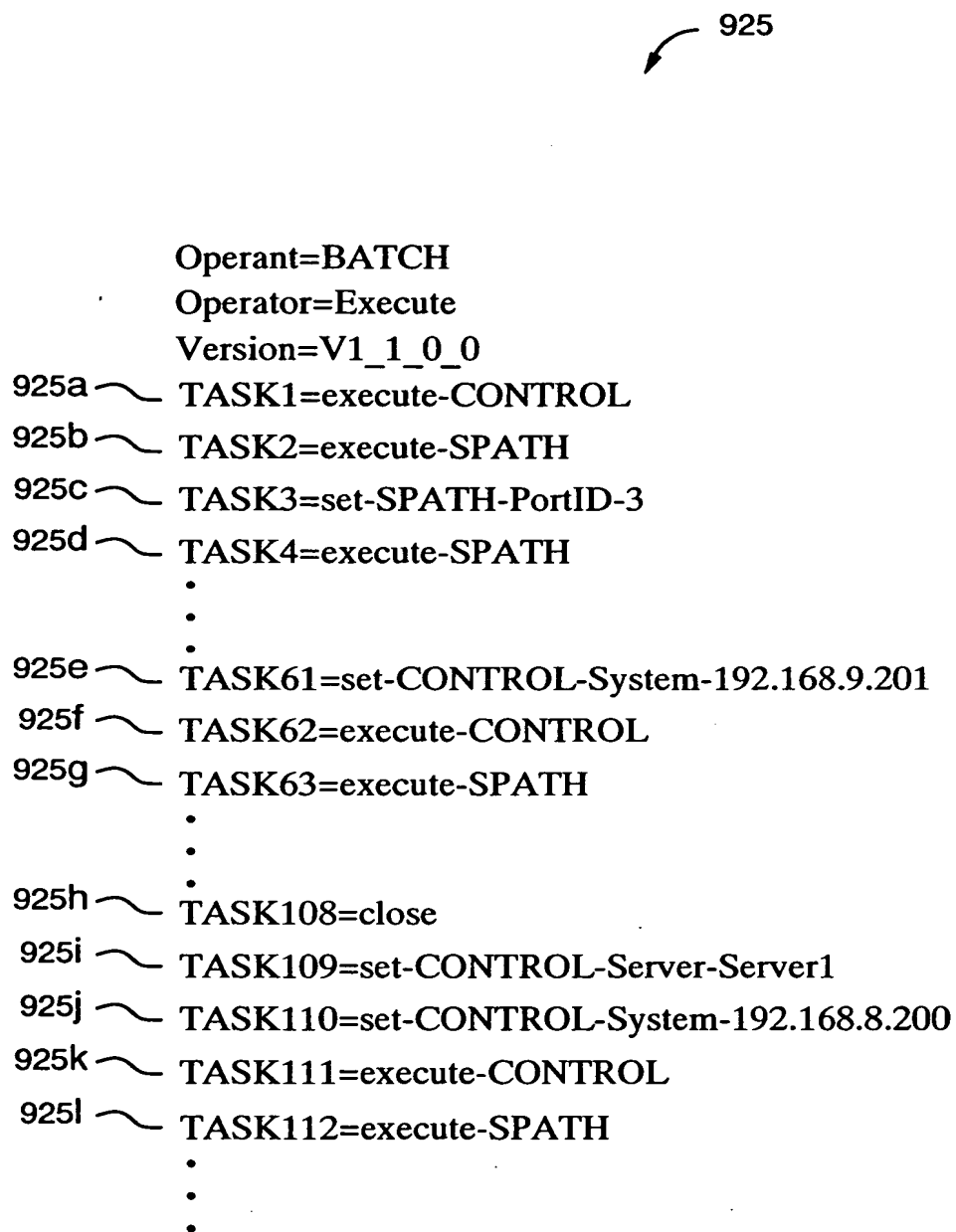


FIG. 30

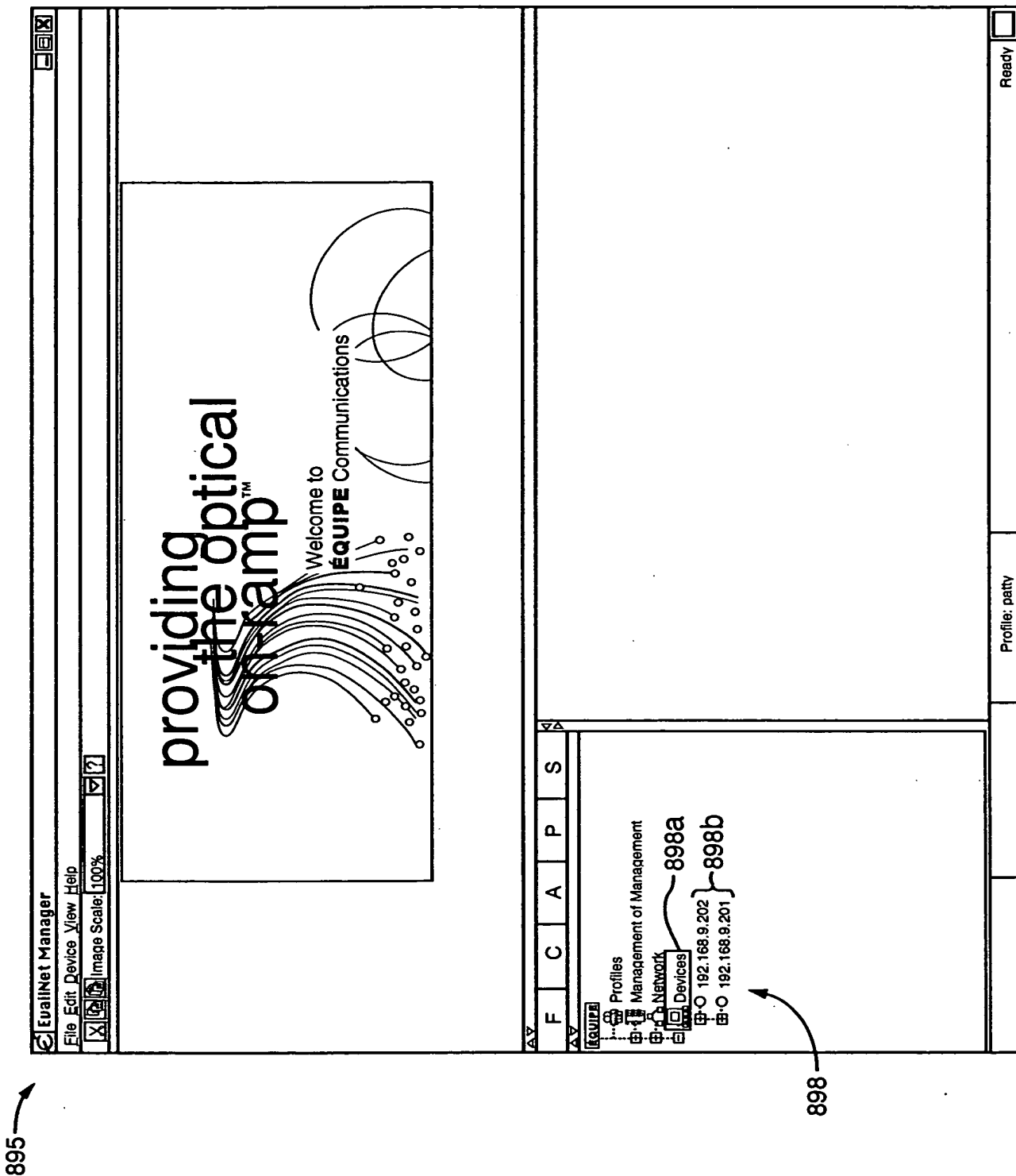


FIG. 4A

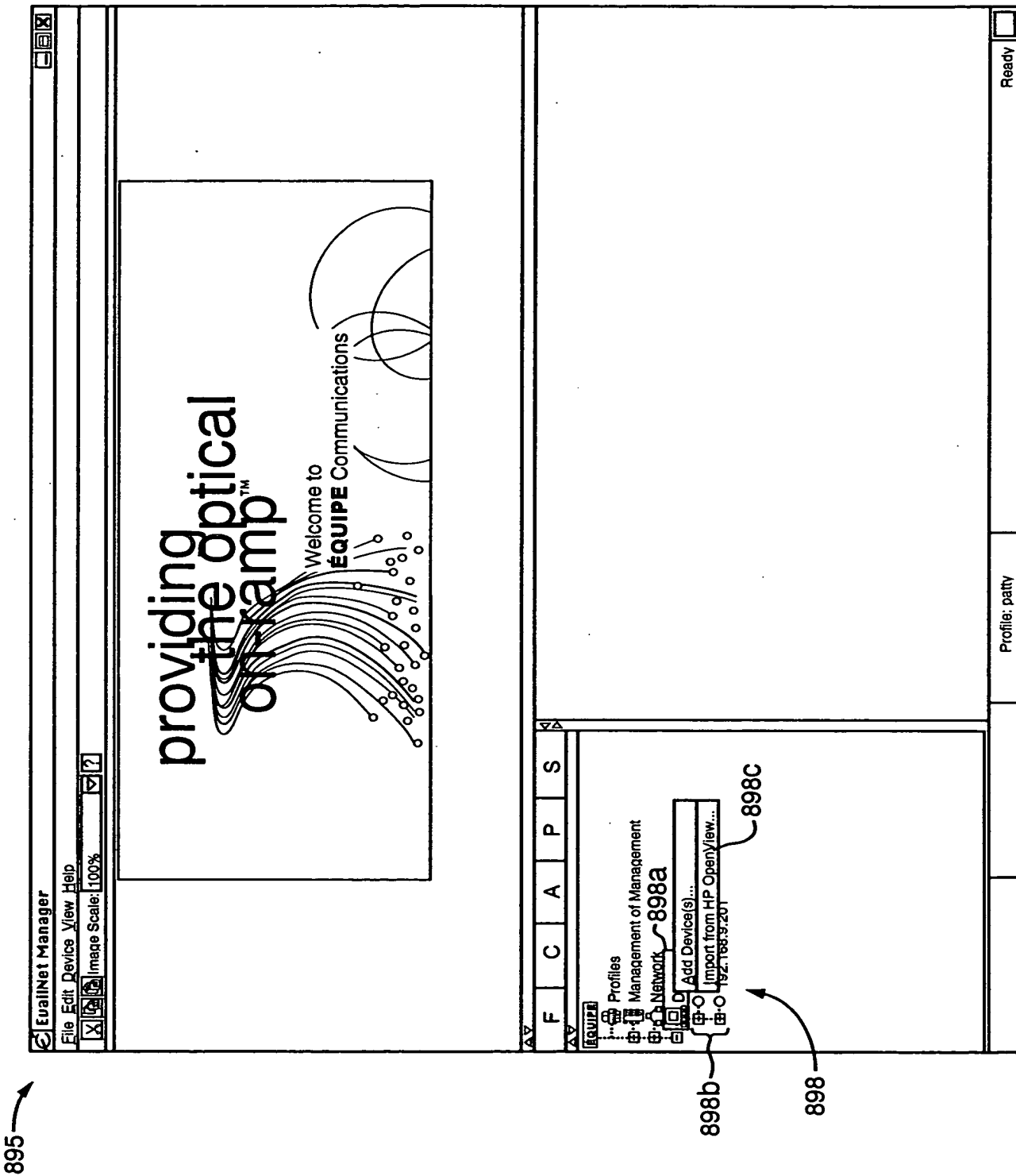


FIG. 4B

AddDeleteDeviceDlg

Enter device to add

192.168.9.203

☒ Manage device in on-line mode

Add

Device List

On-Line Device

OK

Cancel

Delete

FIG. 4C

AddDeleteDeviceDlg

Enter device to add

☒ Manage device in on-line mode

Add

Device List

On-Line Device

☒ 192.168.9.203

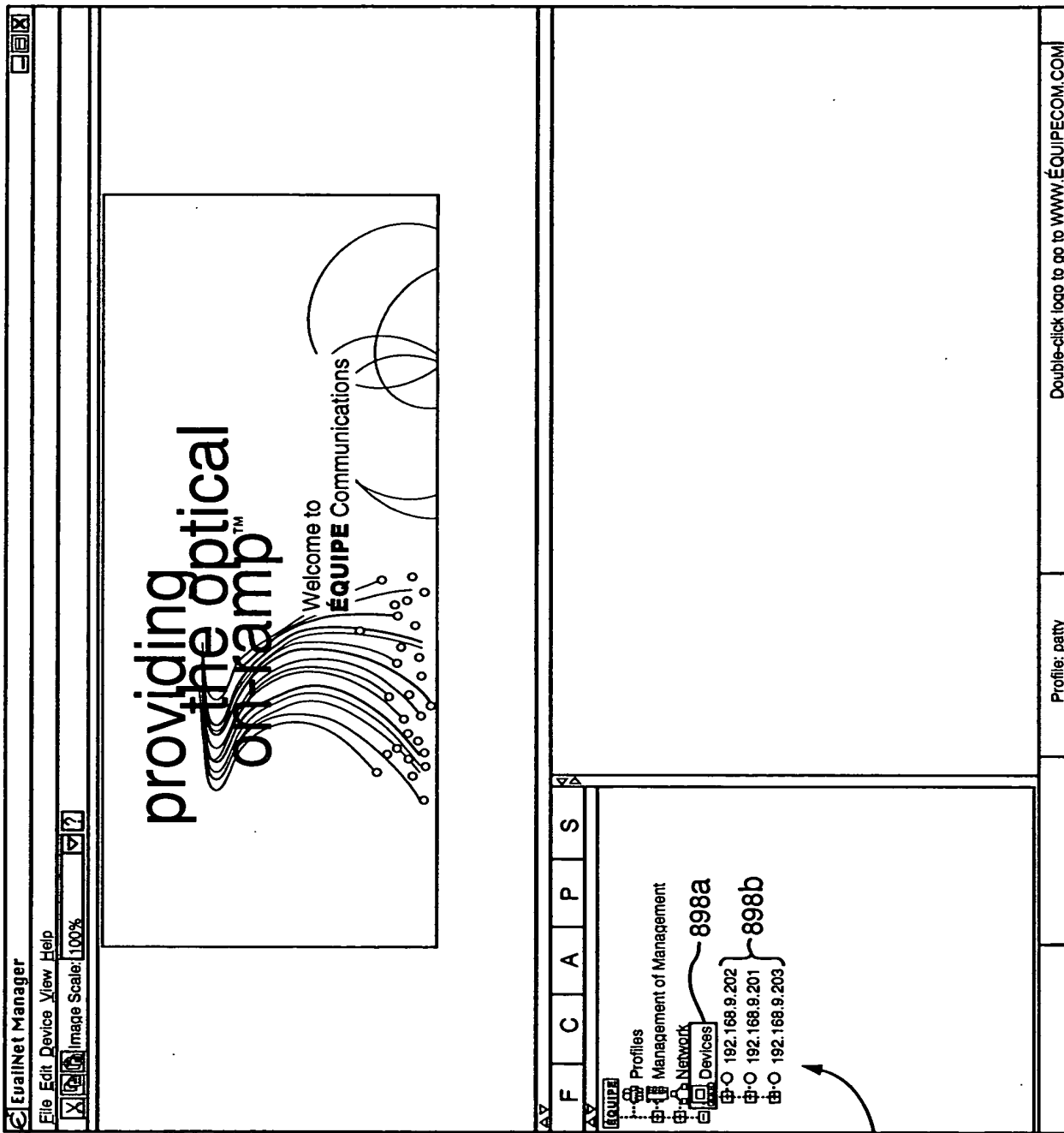
898jOK

Cancel

Delete898h

FIG. 4D

895



898

FIG. 4E

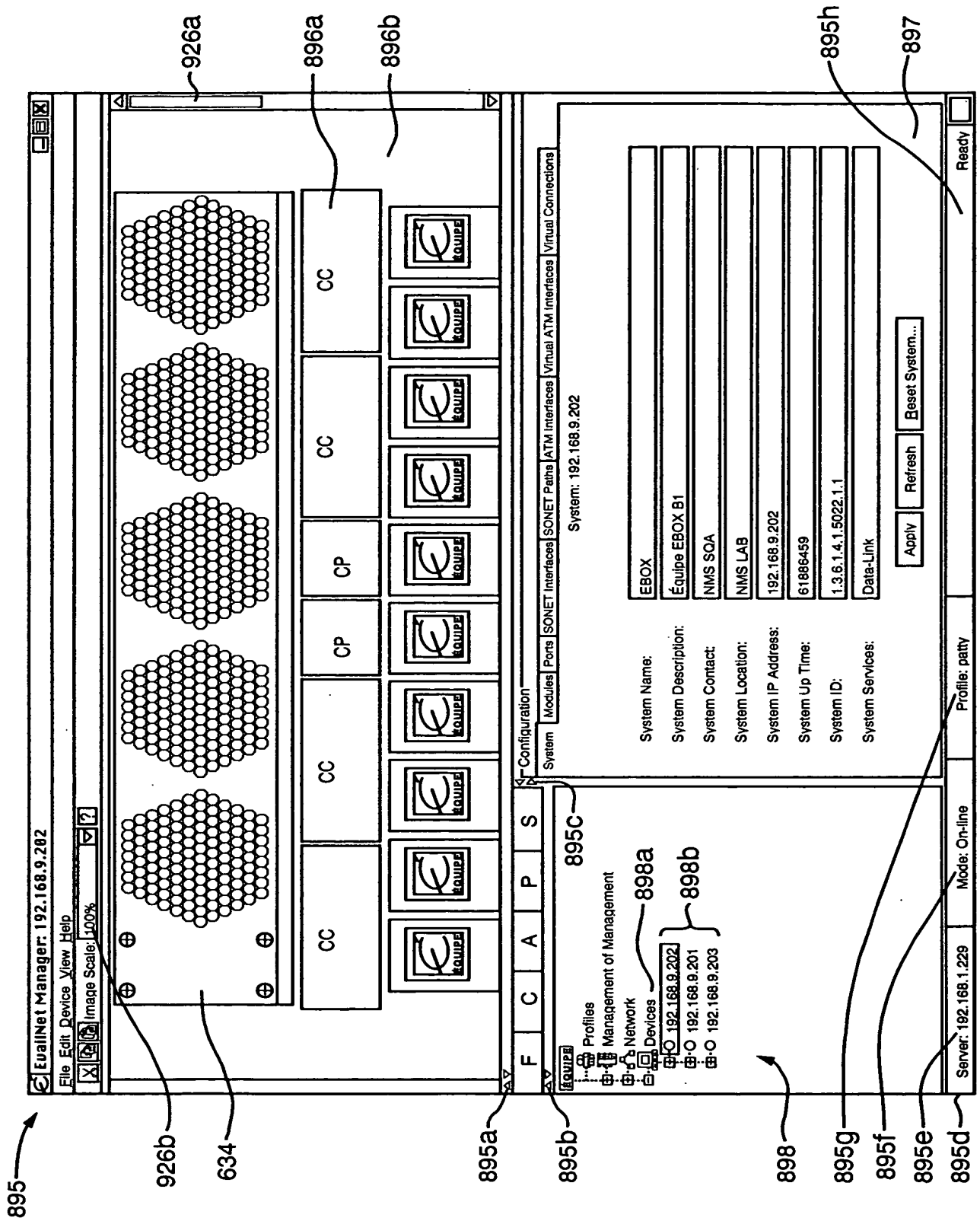


FIG. 4F

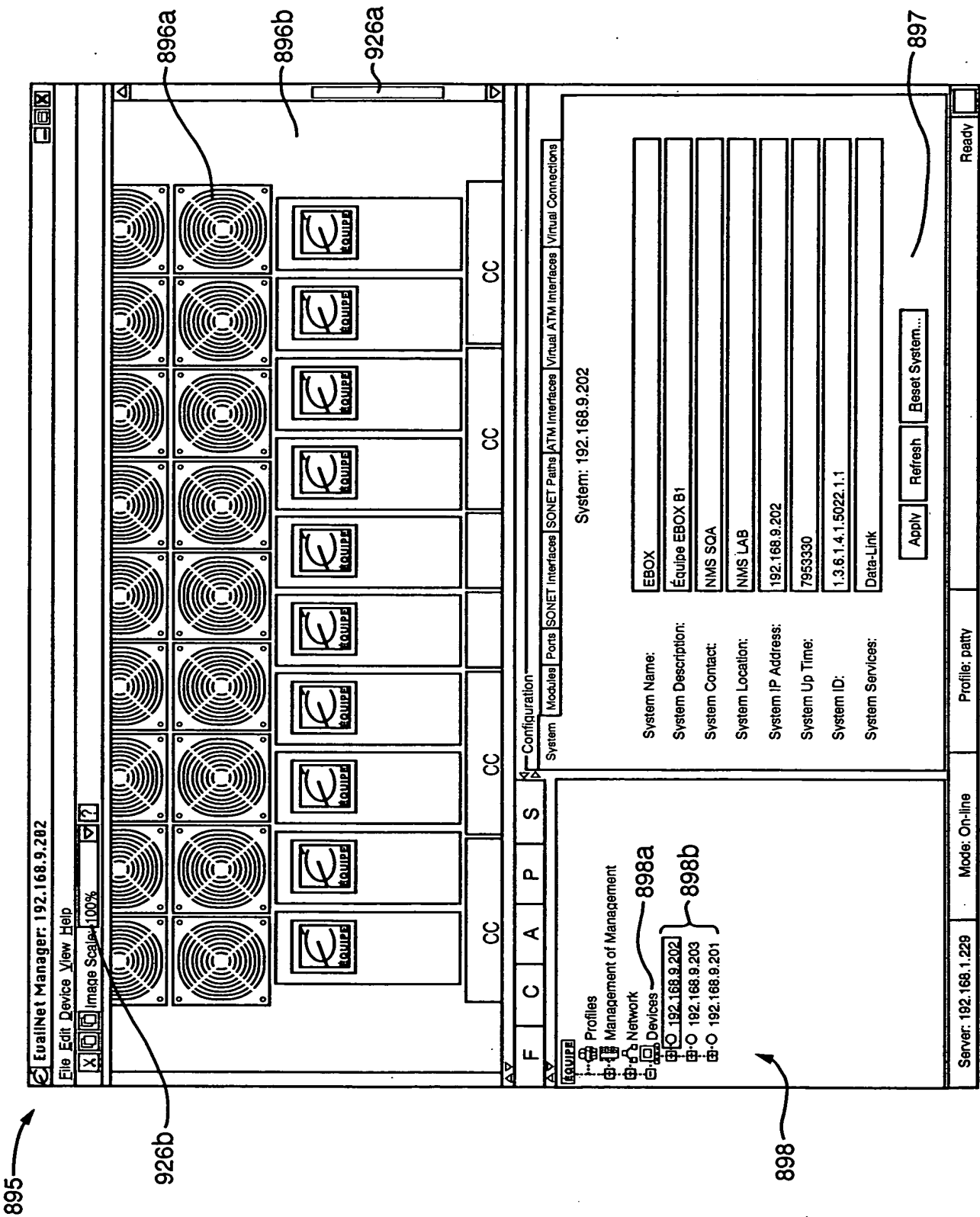


FIG. 4G

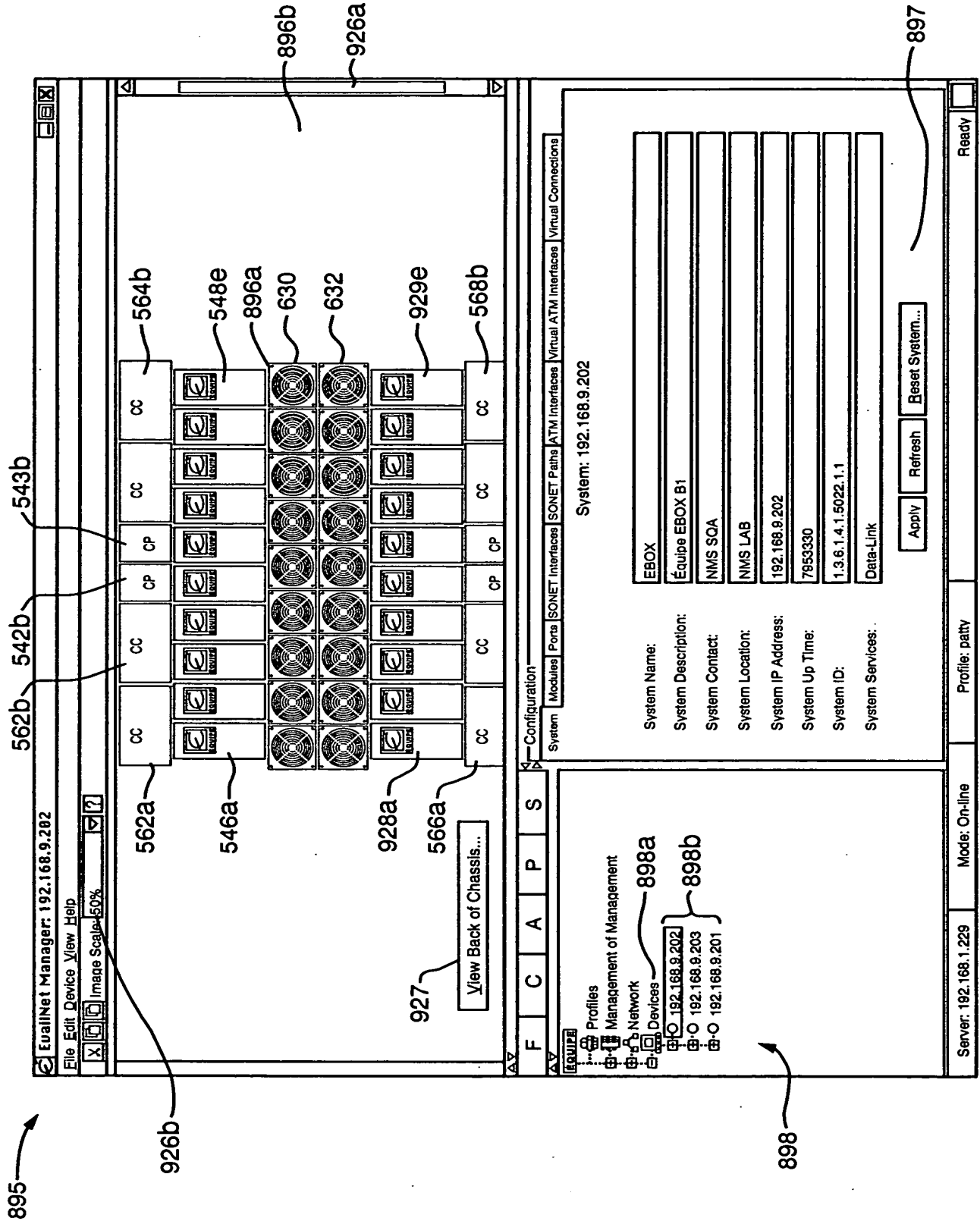


FIG. 4H

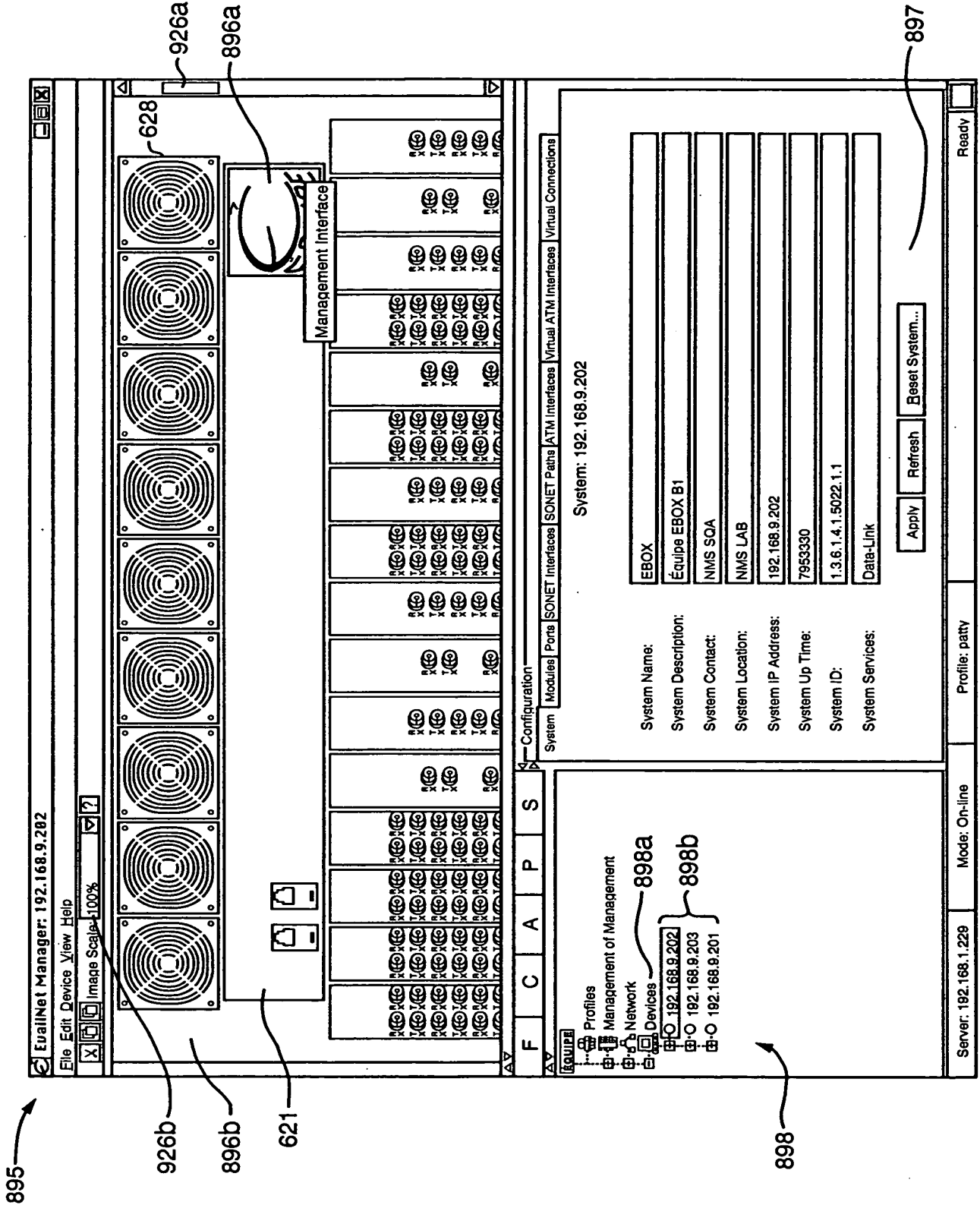


FIG. 4I

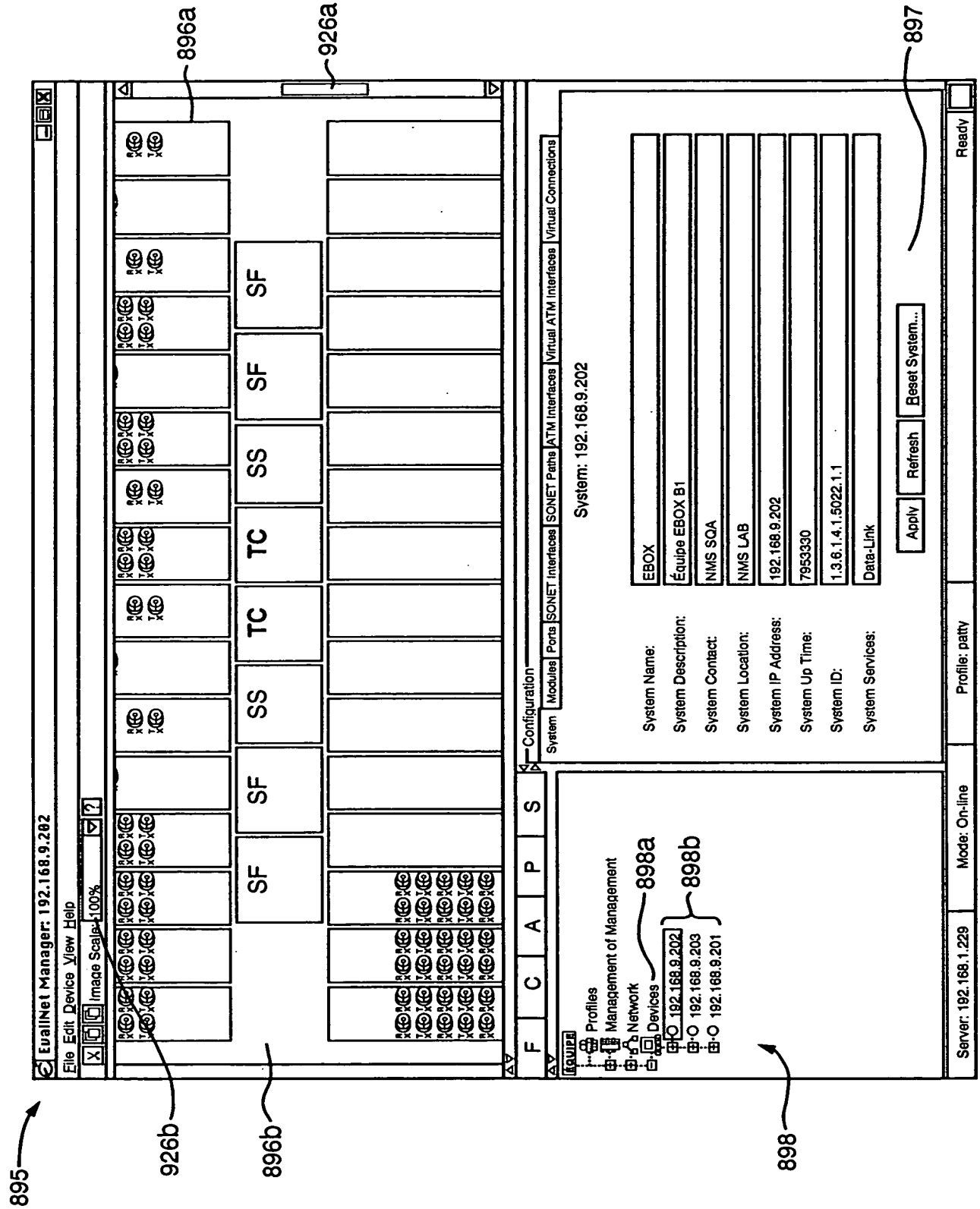


FIG. 4J

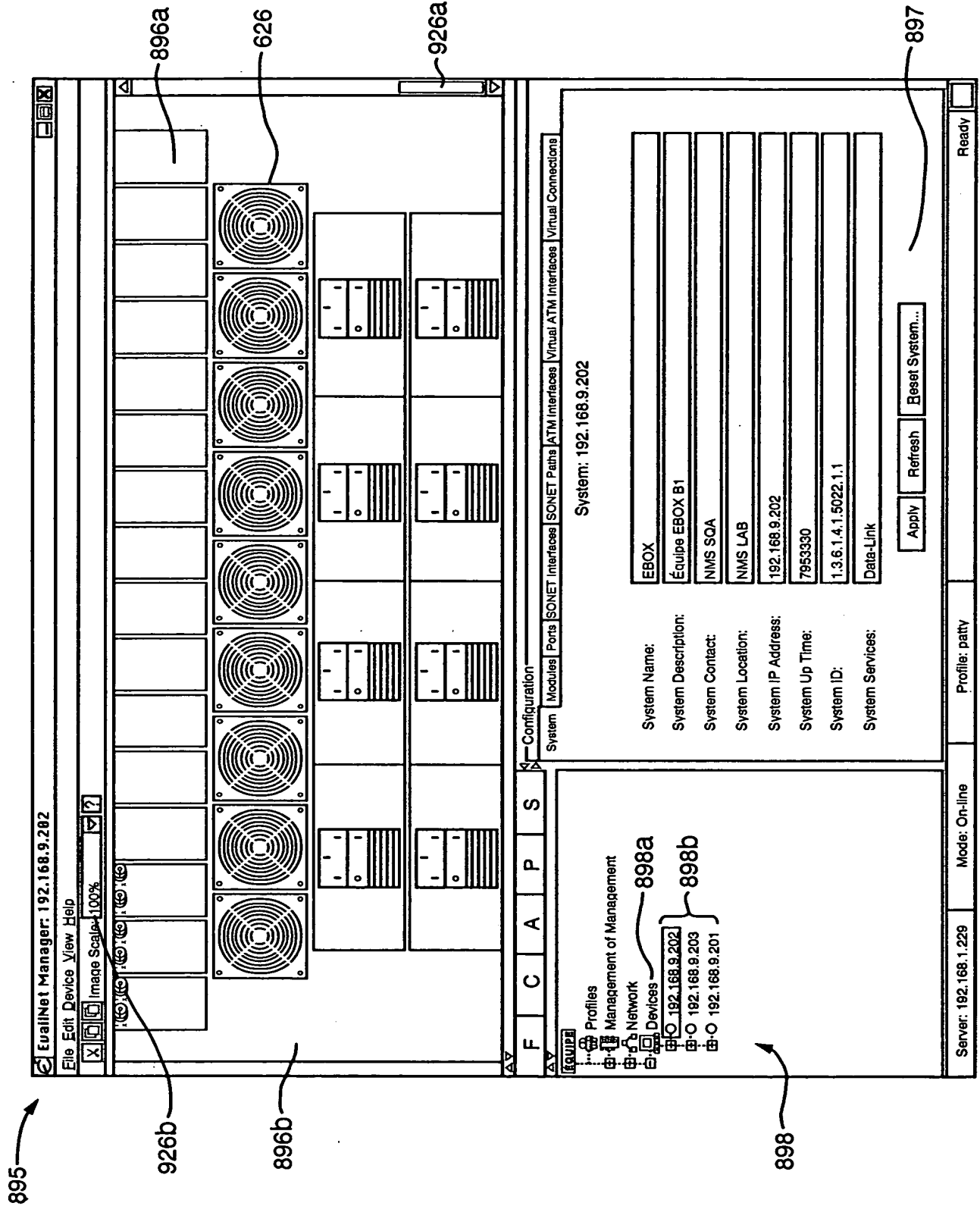


FIG. 4K

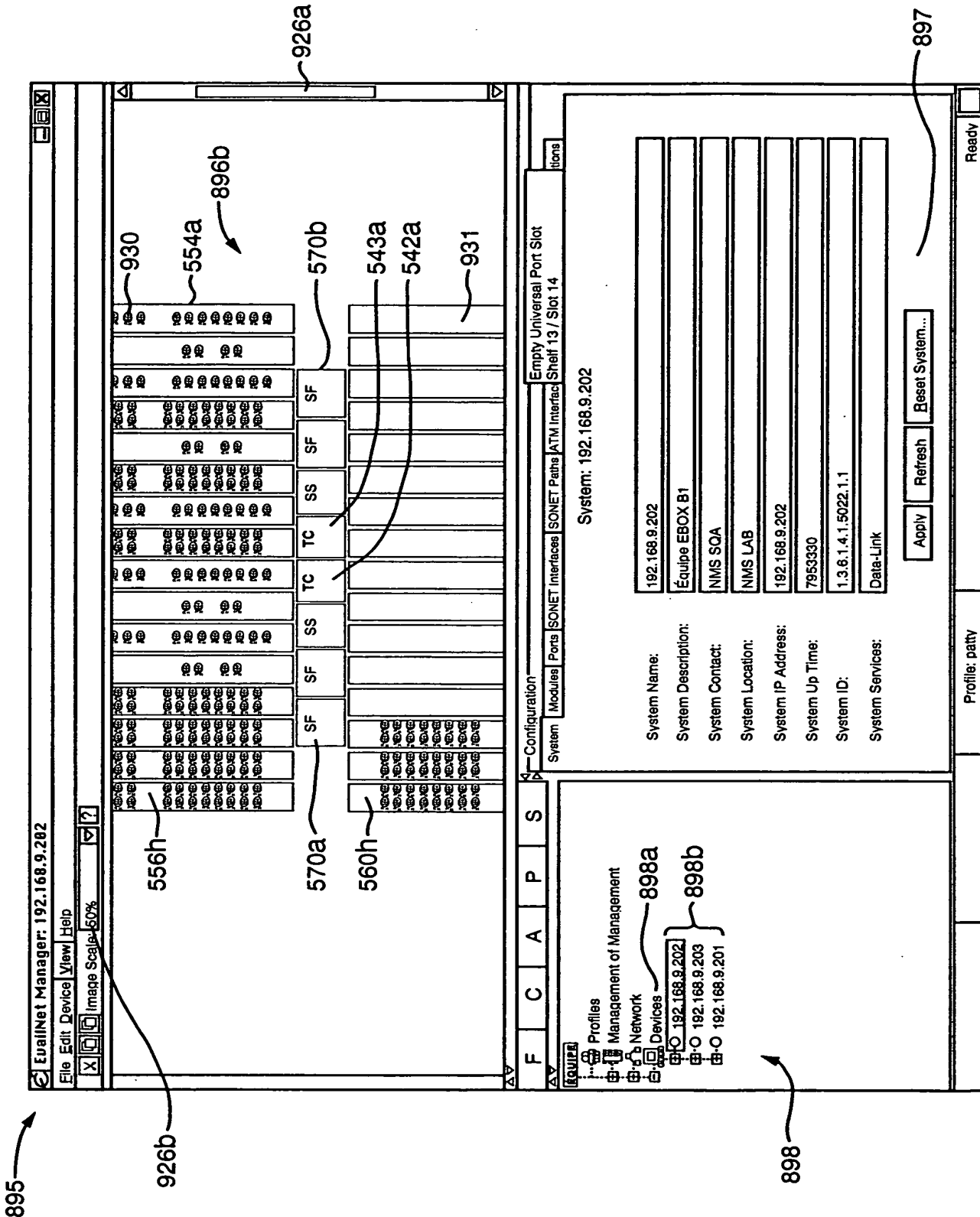


FIG. 4L

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Imag Refresh FS

Modules Toolbox System View

954

Configuration

System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.202

System Name: 192.168.9.202

System Description: Équipe EBOX B1

System Contact: NMS SOA

System Location: NMS LAB

System IP Address: 192.168.9.202

System Up Time: 70507655

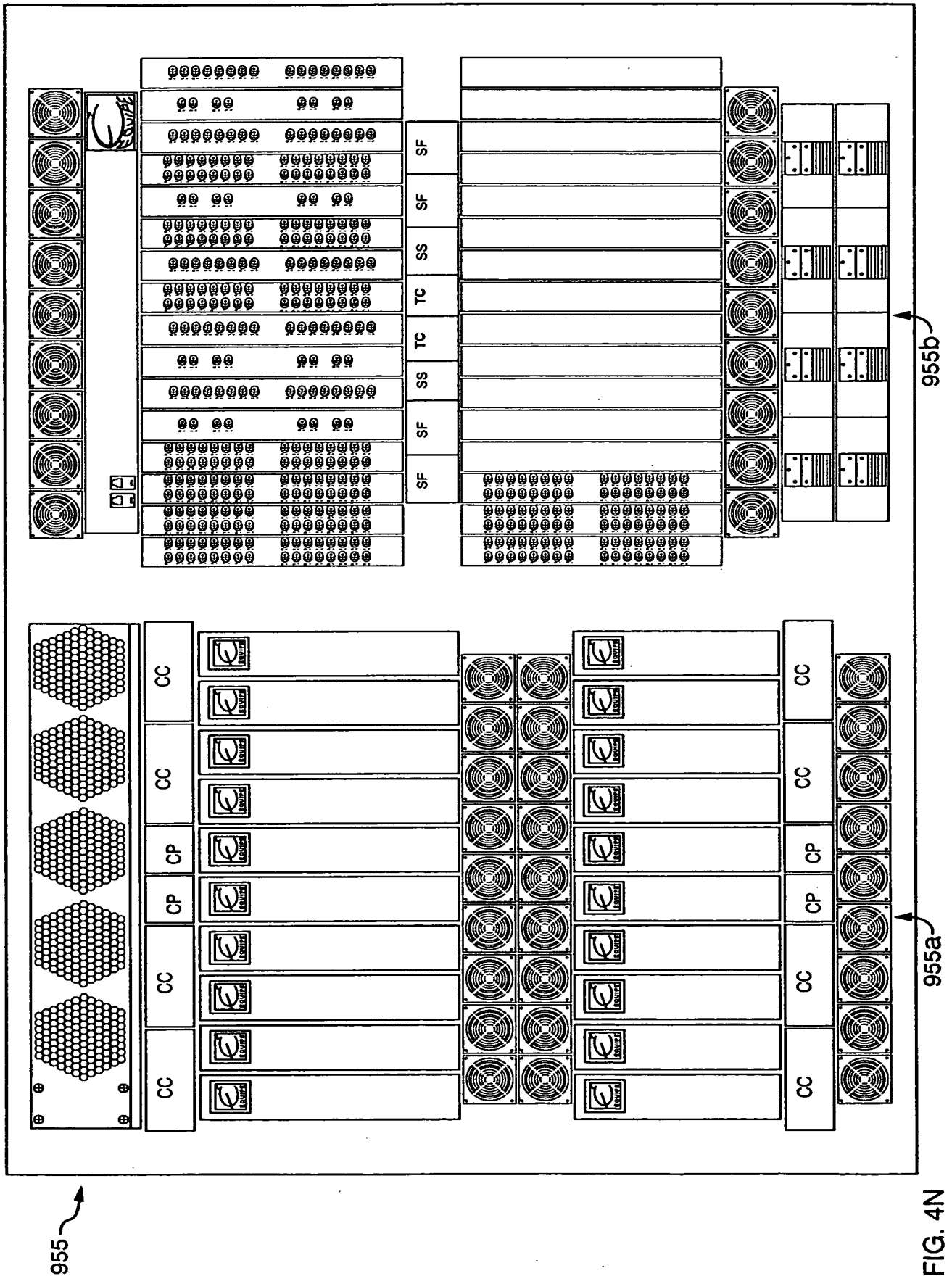
System ID: 1.3.6.1.4.1.5022.1.1

System Services: Data-Link

Apply Refresh Reset System...

Profile: patty Ready

FIG. 4M



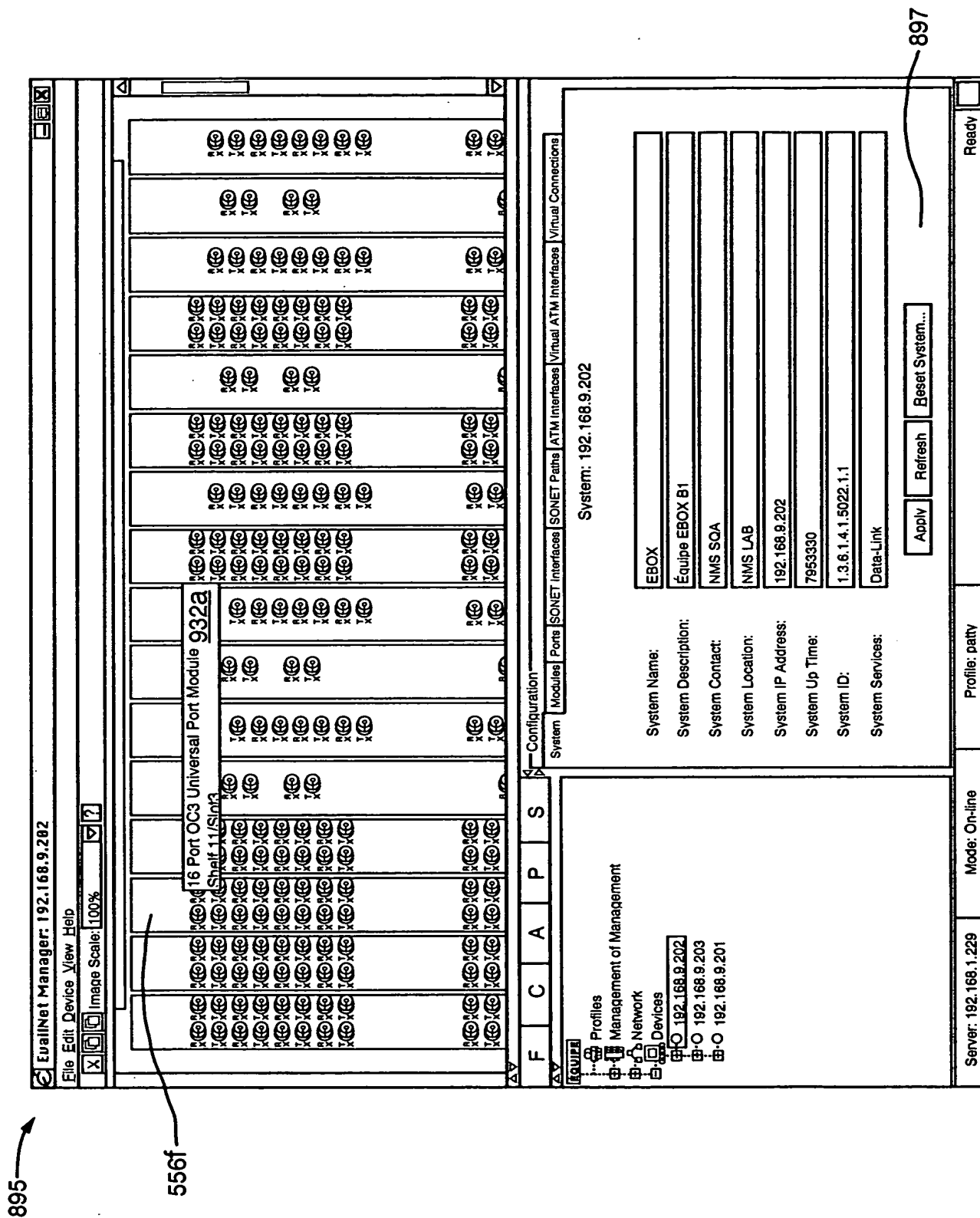


FIG. 40

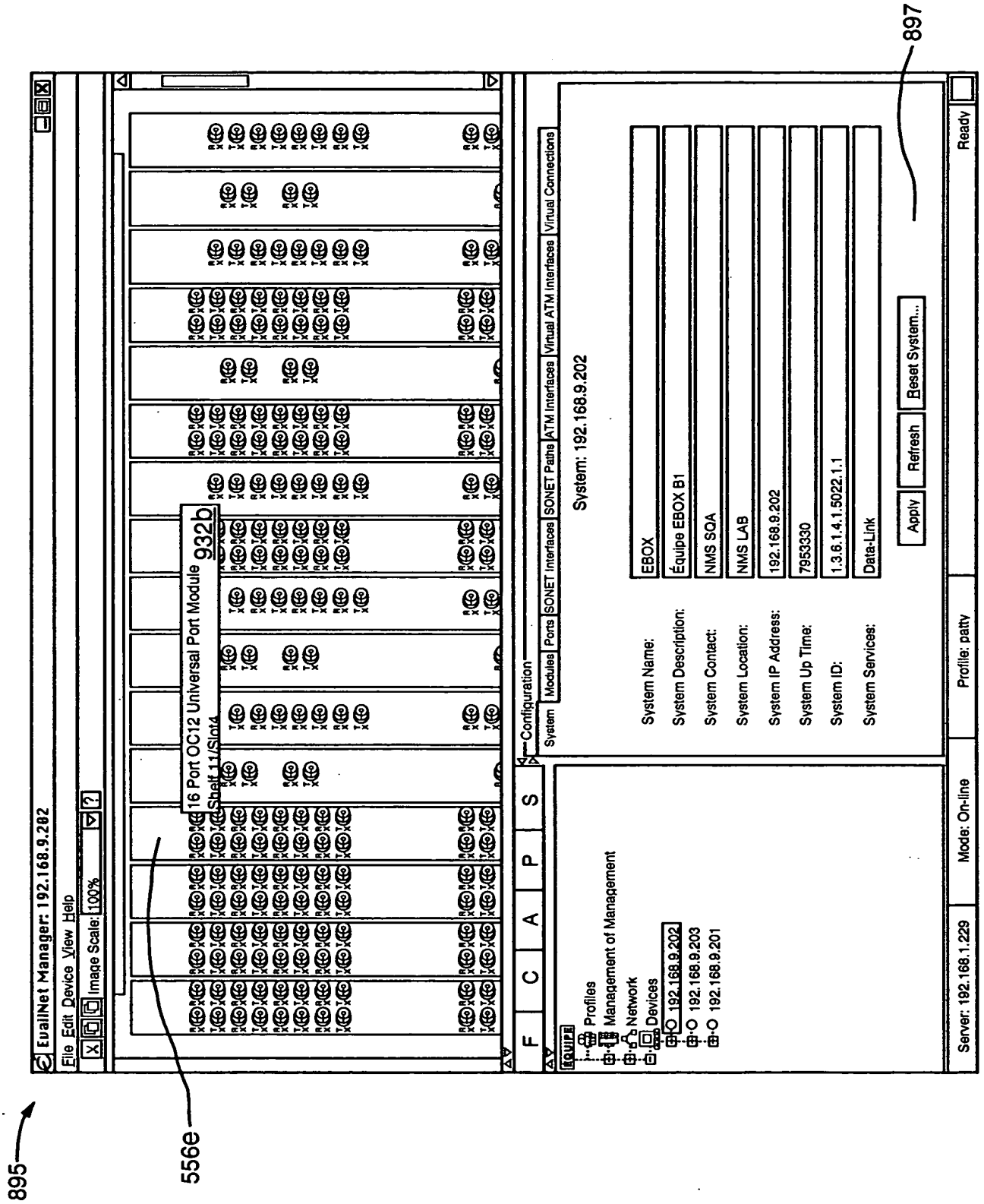


FIG. 4P

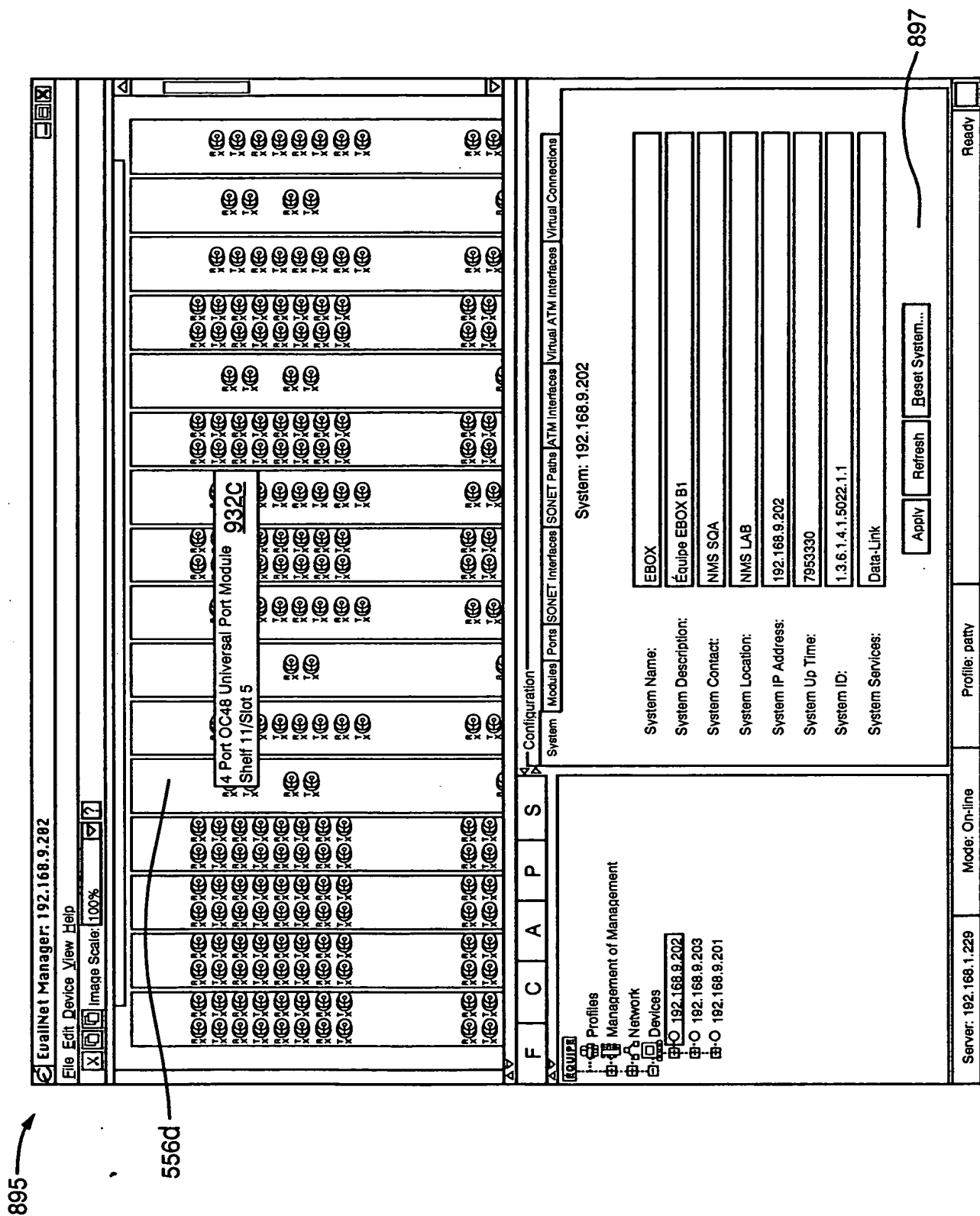


FIG. 4Q

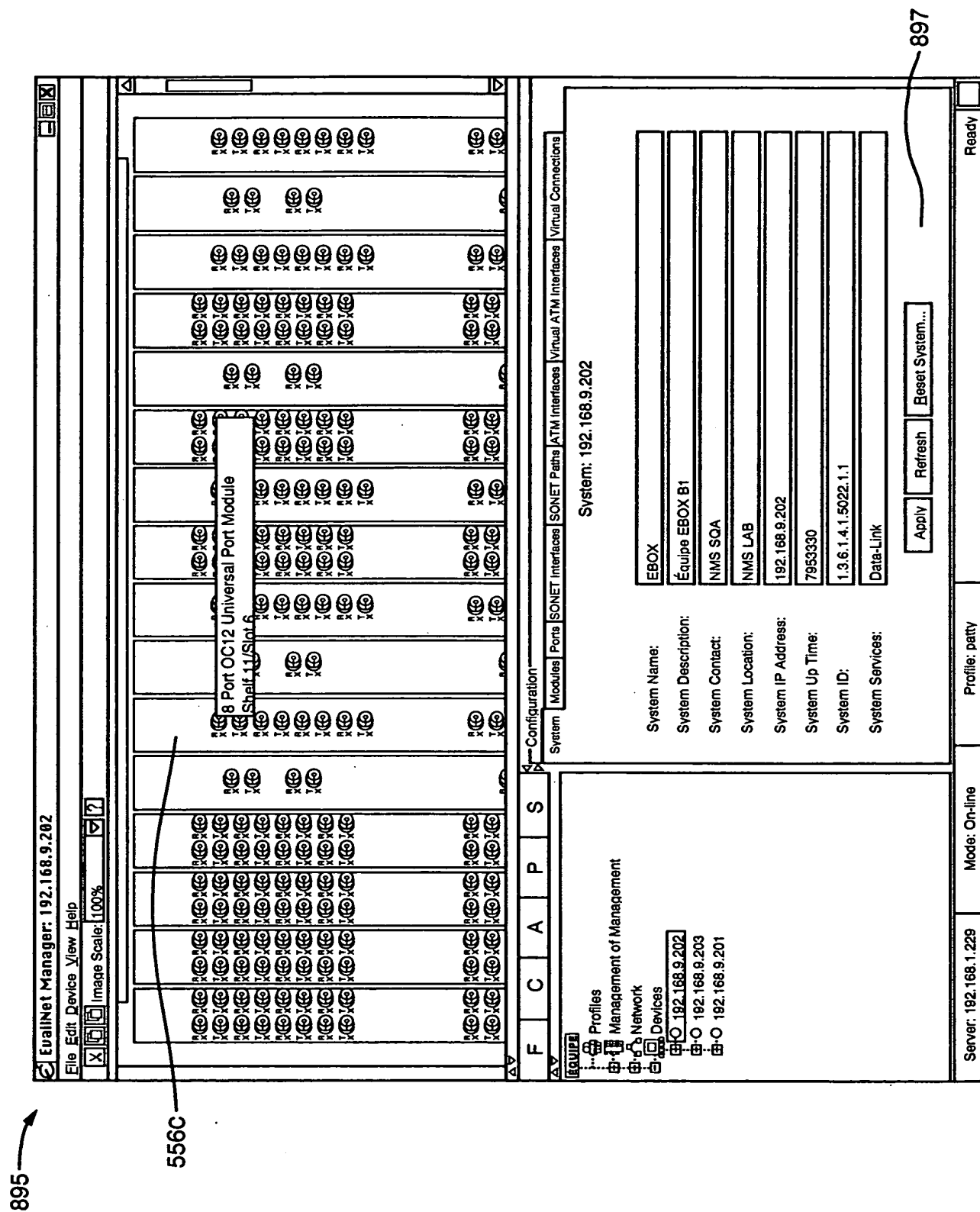


FIG. 4R

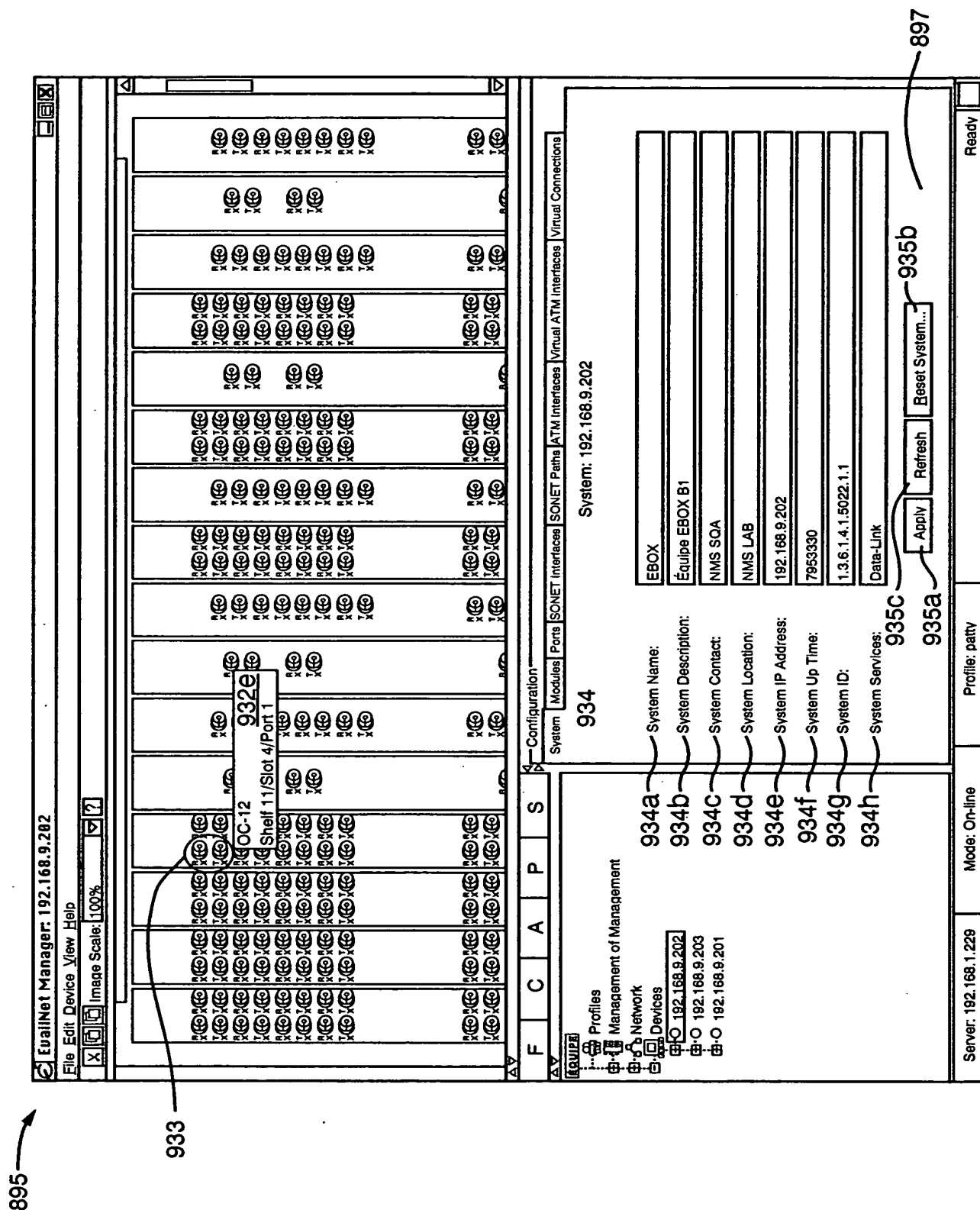


FIG. 4S

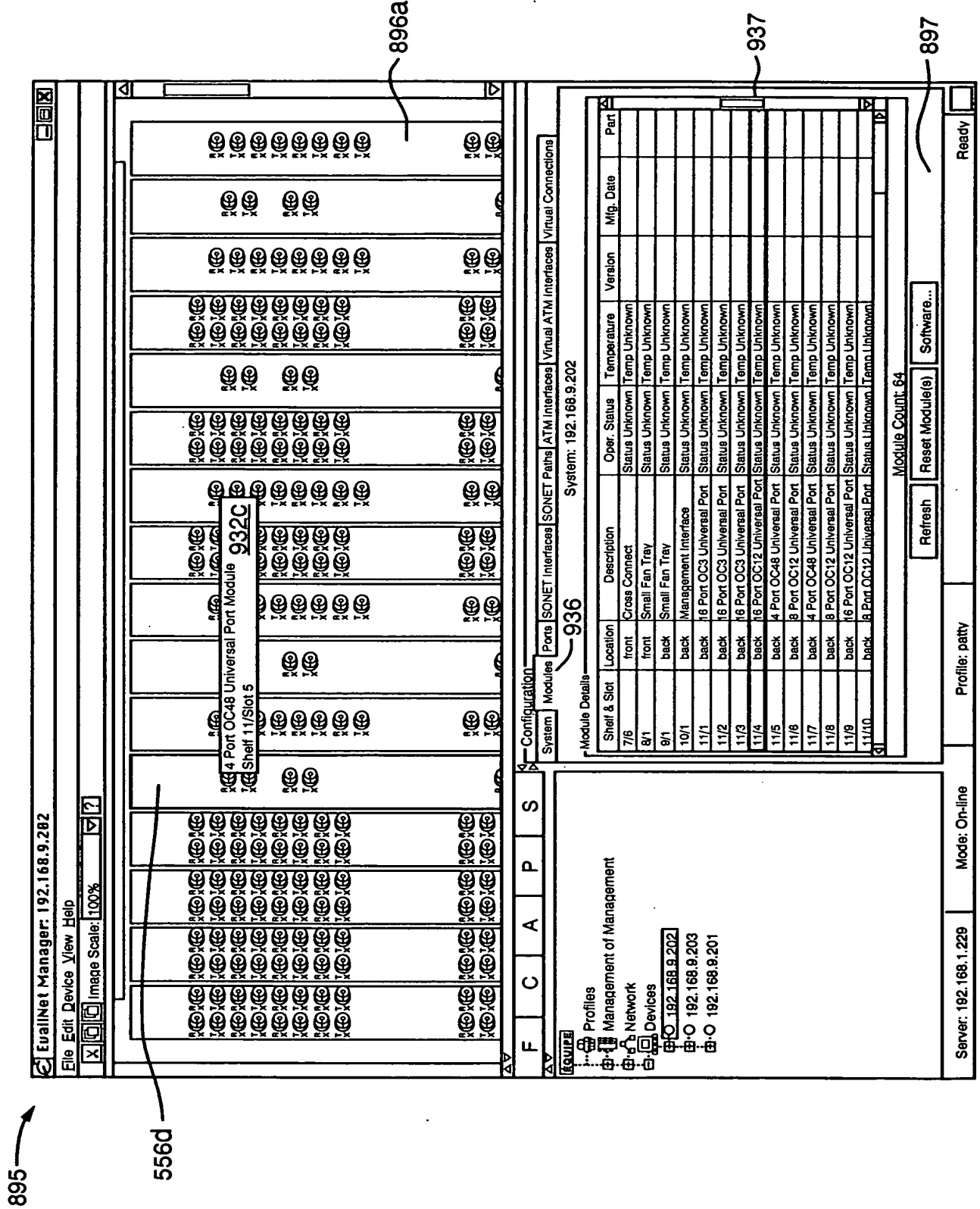


FIG. 4T

895

556e

939a

896a

939b

897

File Edit Device View Help

Image Scale: 100%

Port Details

Shell / Slot / Port	Location	Name	Type	Speed	Admin. Status	Oper. Status	Link Status
11/3/10	back	Sonet Port 10	SONET	0 Mbps	Down	Unknown	Up
11/3/11	back	Sonet Port 11	SONET	0 Mbps	Down	Unknown	Up
11/3/12	back	Sonet Port 12	SONET	0 Mbps	Down	Unknown	Up
11/3/13	back	Sonet Port 13	SONET	0 Mbps	Down	Unknown	Up
11/3/14	back	Sonet Port 14	SONET	0 Mbps	Down	Unknown	Up
11/3/15	back	Sonet Port 15	SONET	0 Mbps	Down	Unknown	Up
11/3/16	back	Sonet Port 16	SONET	0 Mbps	Down	Unknown	Up
11/4/1	back	Sonet Port 1	SONET	0 Mbps	Down	Unknown	Up
11/4/2	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/3	back	Sonet Port 3	SONET	0 Mbps	Down	Unknown	Up
11/4/4	back	Sonet Port 4	SONET	0 Mbps	Down	Unknown	Up
11/4/5	back	Sonet Port 5	SONET	0 Mbps	Down	Unknown	Up
11/4/6	back	Sonet Port 6	SONET	0 Mbps	Down	Unknown	Up
11/4/7	back	Sonet Port 7	SONET	0 Mbps	Down	Unknown	Up

Port Count: 16

Disable... Refresh Regret...

Server: 192.168.1.229 Mode: On-line

Profile: patty

Ready

Configuration

System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections

938

System: 192.168.9.202

Profiles

- Management of Management
- Network
- Devices

192.168.9.202

192.168.9.203

192.168.9.201

FIG. 4U

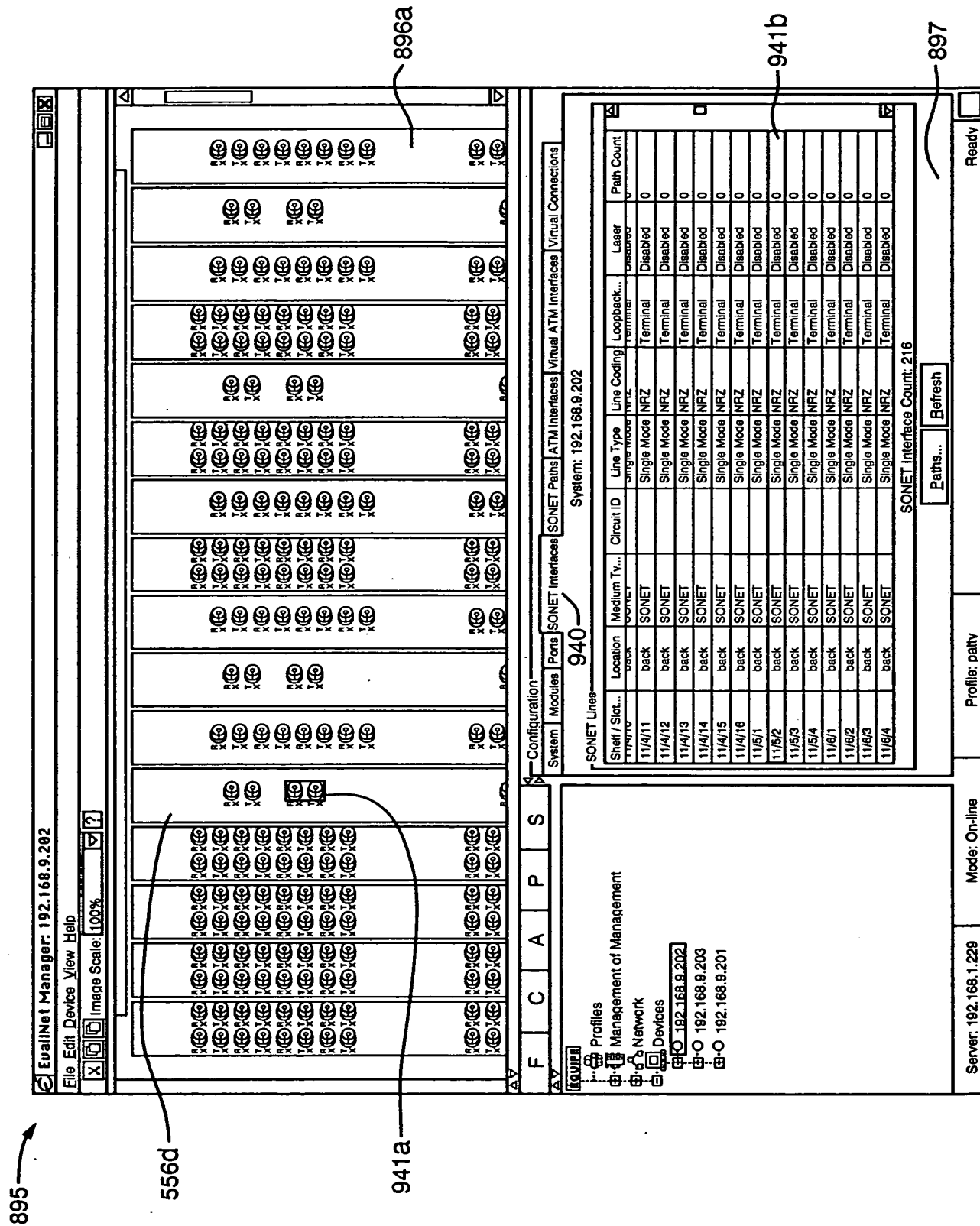
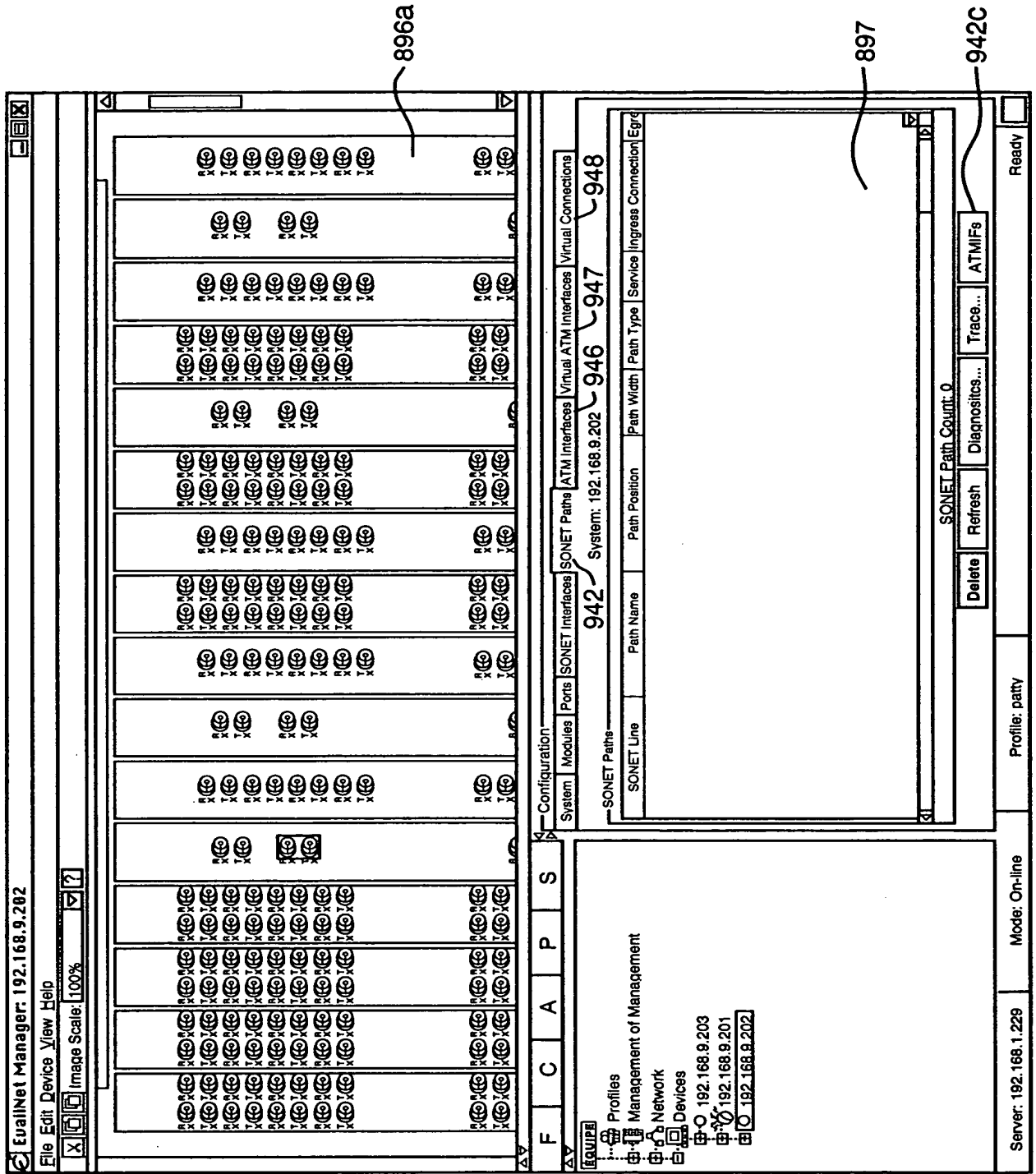


FIG. 4V



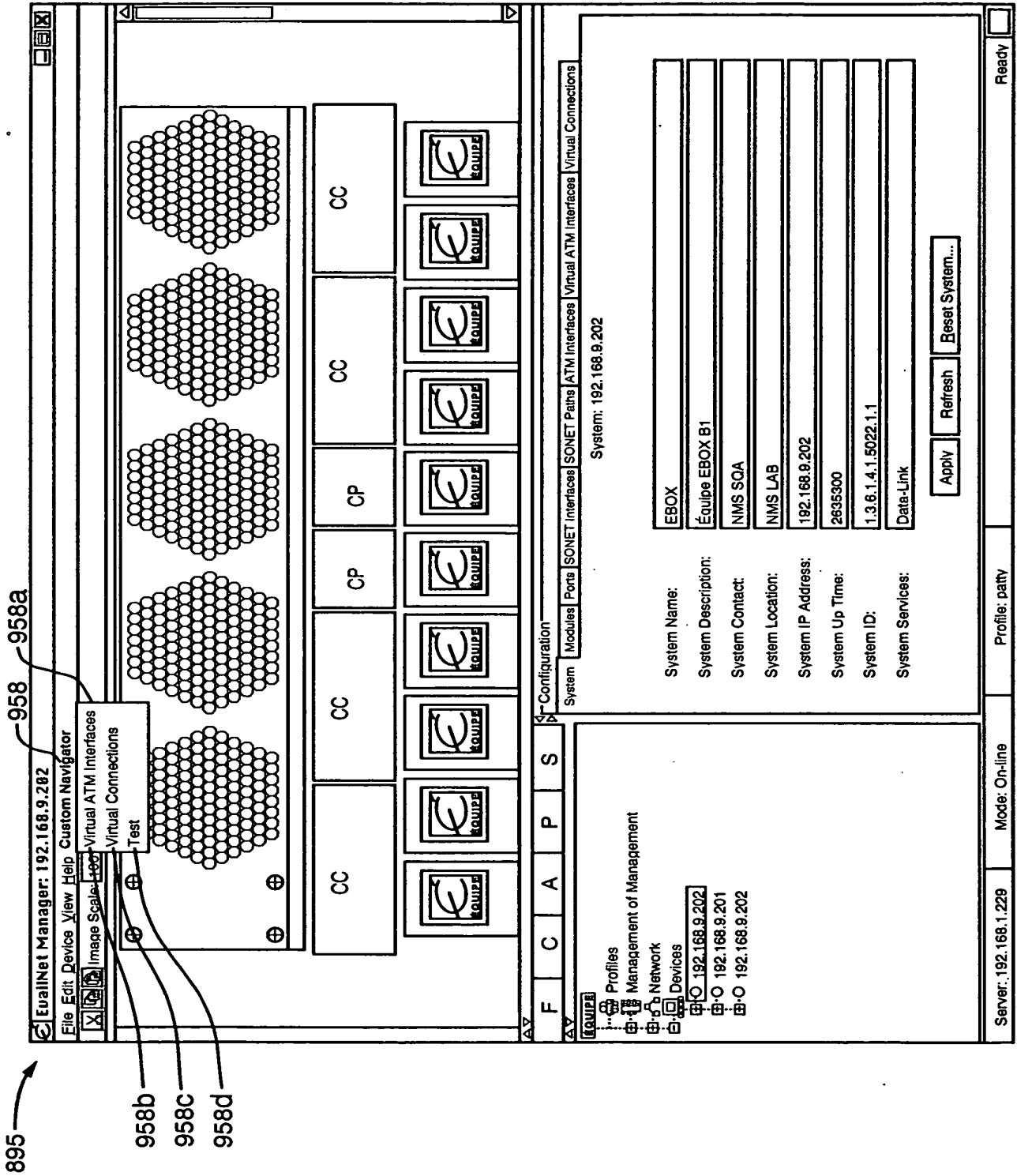


FIG. 4X

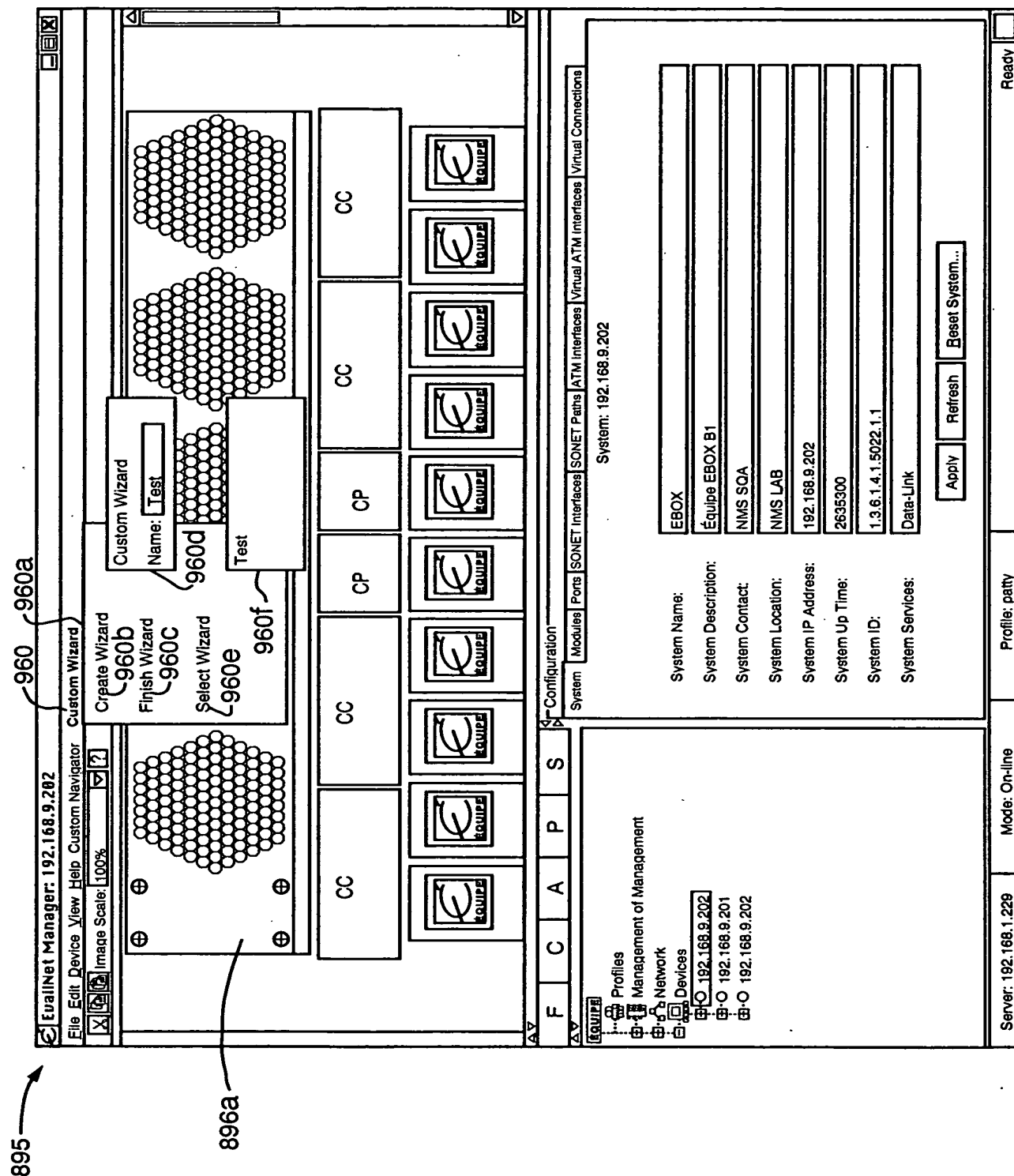


FIG. 4Y

EvailNet Manager: SONET Path Configuration 11/5/1

System: 192.168.9.202

SONET Line

SlotPortType

SONET Path Wizard

Configure a single concatenated path (STS-48c)

Configure

4

STS-12c

paths

Custom Configuration

Next

Cancel

FIG. 4Z

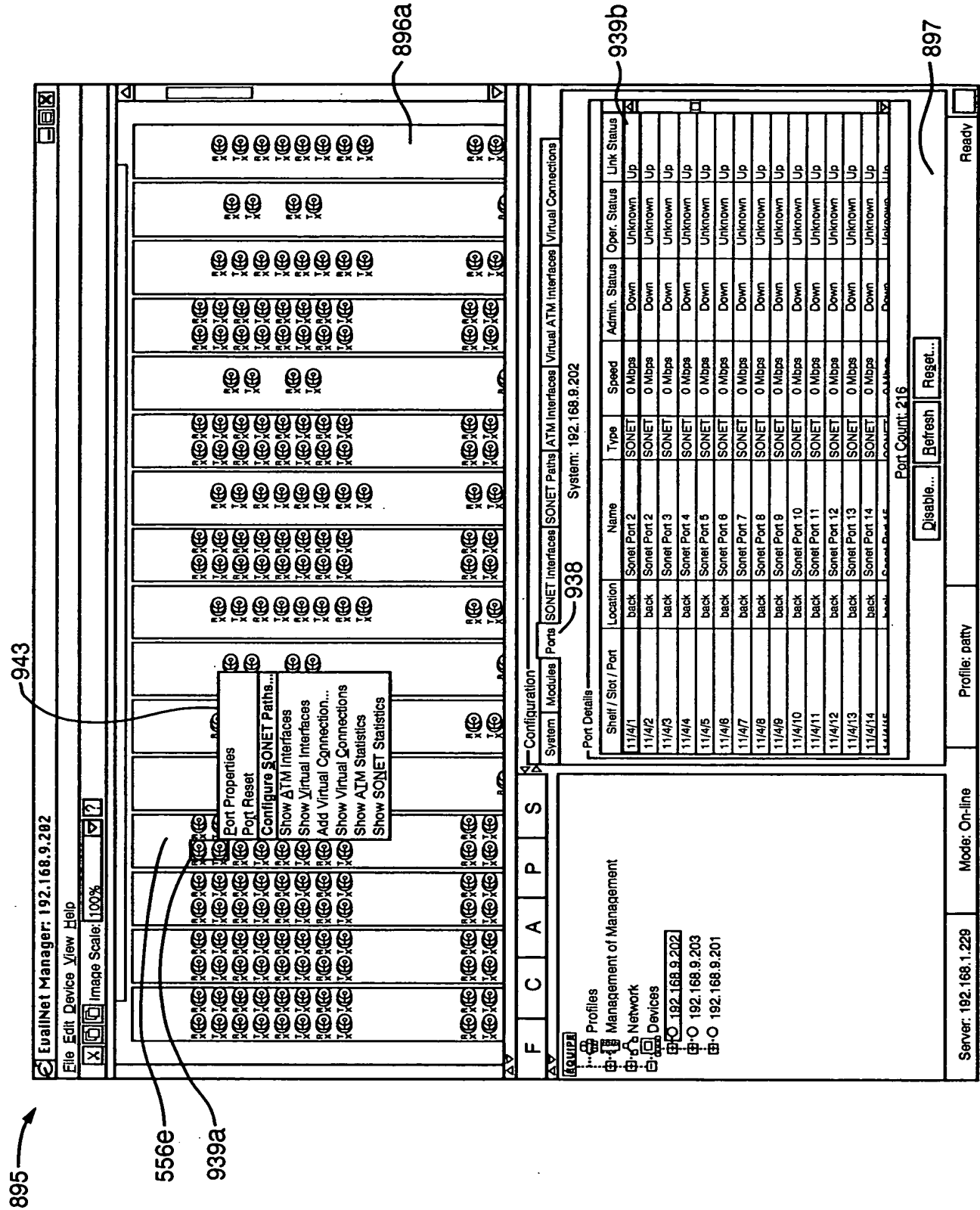


FIG. 5A

Figure 1 is a screenshot of a software window titled "EvailNet Manager: SONET Path Configuration - 11/4/1". The window has a standard Windows-style title bar with a close button (X). Below the title bar, the text "System: 192.168.9.202" is displayed. The main content area is divided into two sections. The top section, labeled "SONET Line", contains three input fields: "Slot" with the value "4", "Port" with the value "1", and "Type" with the value "OC12". The bottom section, labeled "SONET Path Wizard", contains three radio buttons: "Configure a single concatenated path (STS-12c)", "Configure", and "Custom Configuration". The "Configure a single concatenated path (STS-12c)" option is selected. Below this, there are two input fields: the first contains the value "4" and the second contains the value "STS-3c". To the right of the second input field is a label "paths". At the bottom right of the window are two buttons: "OK" and "Cancel".

FIG. 5B

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4

Port 1

Type OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)
 ☐ Configure
 ☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/4/1	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12C

944r OK

944q Cancel

FIG. 5C

944

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
☒ **Configure** 944t
☐ Custom Configuration

944a

944c

944g

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-3c	Termin.	ATM		
11/4/1	Path2_11/...	4	STS-3c	Termin.	ATM		
11/4/1	Path3_11/...	7	STS-3c	Termin.	ATM		
11/4/1	Path4_11/...	10	STS-3c	Termin.	ATM		

944p

Modify

944r

OK

Cancel

944q

Graphical Representation

Position

Width

STS-3c

STS-3c

STS-3c

STS-3c

1

4

7

10

944e

944f

FIG. 5D

944

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

Configure

1

STS-12C

paths

944a

944c

944s

944t

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-12c	Termin.	ATM		

944p

Modify

944r

OK

Cancel

944q

Graphical Representation

Position

Width

1

STS-12C

944e

944f

FIG. 5E

EvalNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot: 4 Port: 1 Type: OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☒ Custom Configuration

Functions

Available SONET Paths

STS-3C

Add>

<Remove

<<Clear

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/4/1	Path1_11/...	1	STS-3c	Terminated	ATM		
11/4/1	Path2_11/...	4	STS-3c	Terminated	ATM		
11/4/1	Path3_11/...	7		Terminated	ATM		

Graphical Representation

Position: 1 Width: 4

STS-3C

STS-3C

944r ~ 944q

944s ~ 944t

944u ~ 944v

944w ~ 944x

944y ~ 944z

944aa ~ 944ab

944ac ~ 944ad

944ae ~ 944af

944ag ~ 944ah

944ai ~ 944aj

944ak ~ 944al

944am ~ 944an

944ao ~ 944ap

944aq ~ 944ar

944as ~ 944at

944au ~ 944av

944aw ~ 944ax

944ay ~ 944az

944ba ~ 944bb

944bc ~ 944bd

944be ~ 944bf

944bg ~ 944bh

944bi ~ 944bj

944bk ~ 944bl

944bm ~ 944bn

944bo ~ 944bp

944bq ~ 944br

944bs ~ 944bt

944bu ~ 944bv

944bw ~ 944bx

944by ~ 944bz

944ca ~ 944cb

944cc ~ 944cd

944ce ~ 944cf

944cg ~ 944ch

944ci ~ 944cj

944ck ~ 944cl

944cm ~ 944cn

944co ~ 944cp

944cq ~ 944cr

944cs ~ 944ct

944cu ~ 944cv

944cw ~ 944cx

944cy ~ 944cz

944da ~ 944db

944dc ~ 944dd

944de ~ 944df

944dg ~ 944dh

944di ~ 944dj

944dk ~ 944dl

944dm ~ 944dn

944do ~ 944dp

944dq ~ 944dr

944ds ~ 944dt

944du ~ 944dv

944dw ~ 944dx

944dy ~ 944dz

944ea ~ 944eb

944ec ~ 944ed

944ee ~ 944ef

944eg ~ 944eh

944ei ~ 944ej

944ek ~ 944el

944em ~ 944en

944eo ~ 944ep

944eq ~ 944er

944es ~ 944et

944eu ~ 944ev

944ew ~ 944ex

944ey ~ 944ez

944fa ~ 944fb

944fc ~ 944fd

944fe ~ 944ff

944fg ~ 944fh

944fi ~ 944fj

944fk ~ 944fl

944fm ~ 944fn

944fo ~ 944fp

944fq ~ 944fr

944fs ~ 944ft

944fu ~ 944fv

944fw ~ 944fx

944fy ~ 944fz

944ga ~ 944gb

944gc ~ 944gd

944ge ~ 944gf

944gg ~ 944gh

944gi ~ 944gj

944gk ~ 944gl

944gm ~ 944gn

944go ~ 944gp

944gq ~ 944gr

944gs ~ 944gt

944gu ~ 944gv

944gw ~ 944gx

944gy ~ 944gz

944ha ~ 944hb

944hc ~ 944hd

944he ~ 944hf

944hg ~ 944hh

944hi ~ 944hj

944hk ~ 944hl

944hm ~ 944hn

944ho ~ 944hp

944hq ~ 944hr

944hs ~ 944ht

944hu ~ 944hv

944hw ~ 944hx

944hy ~ 944hz

944ia ~ 944ib

944ic ~ 944id

944ie ~ 944if

944ig ~ 944ih

944ii ~ 944ij

944ik ~ 944il

944im ~ 944in

944io ~ 944ip

944iq ~ 944ir

944is ~ 944it

944iu ~ 944iv

944iw ~ 944ix

944iy ~ 944iz

944ja ~ 944jb

944jc ~ 944jd

944je ~ 944jf

944jg ~ 944jh

944ji ~ 944jj

944jk ~ 944jl

944jm ~ 944jn

944jo ~ 944jp

944jq ~ 944jr

944js ~ 944jt

944ju ~ 944jv

944jw ~ 944jx

944jy ~ 944jz

944ka ~ 944kb

944kc ~ 944kd

944ke ~ 944kf

944kg ~ 944kh

944ki ~ 944kj

944kk ~ 944kl

944km ~ 944kn

944ko ~ 944kp

944kq ~ 944kr

944ks ~ 944kt

944ku ~ 944kv

944kw ~ 944kx

944ky ~ 944kz

944la ~ 944lb

944lc ~ 944ld

944le ~ 944lf

944lg ~ 944lh

944li ~ 944lj

944lk ~ 944ll

944lm ~ 944ln

944lo ~ 944lp

944lq ~ 944lr

944ls ~ 944lt

944lu ~ 944lv

944lw ~ 944lx

944ly ~ 944lz

944ma ~ 944mb

944mc ~ 944md

944me ~ 944mf

944mg ~ 944mh

944mi ~ 944mj

944mk ~ 944ml

944mm ~ 944mn

944mo ~ 944mp

944mq ~ 944mr

944ms ~ 944mt

944mu ~ 944mv

944mw ~ 944wx

944my ~ 944mz

944na ~ 944nb

944nc ~ 944nd

944ne ~ 944nf

944ng ~ 944nh

944ni ~ 944nj

944nk ~ 944nl

944nm ~ 944nn

944no ~ 944np

944nq ~ 944nr

944ns ~ 944nt

944nu ~ 944nv

944nw ~ 944nx

944ny ~ 944nz

944oa ~ 944ob

944oc ~ 944od

944oe ~ 944of

944og ~ 944oh

944oi ~ 944oj

944ok ~ 944ol

944om ~ 944on

944oo ~ 944op

944oq ~ 944or

944os ~ 944ot

944ou ~ 944ov

944ow ~ 944ox

944oy ~ 944oz

944pa ~ 944pb

944pc ~ 944pd

944pe ~

FIG. 5F

EvaiNet Manager: SONET Path Configuration - 11/4/1

X

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
Shelf11/Sl...	Path1_11/...	1	3	2	1		
Shelf11/Sl...	Path2_11/...	4	3	2	1		

944p

Modify

Add

Delete

Graphical Representation

Position

1

4

Width

STS-3C

STS-3C

945a

945g

945k

945p

945r

945e

945f

945n

945

FIG. 5G

895

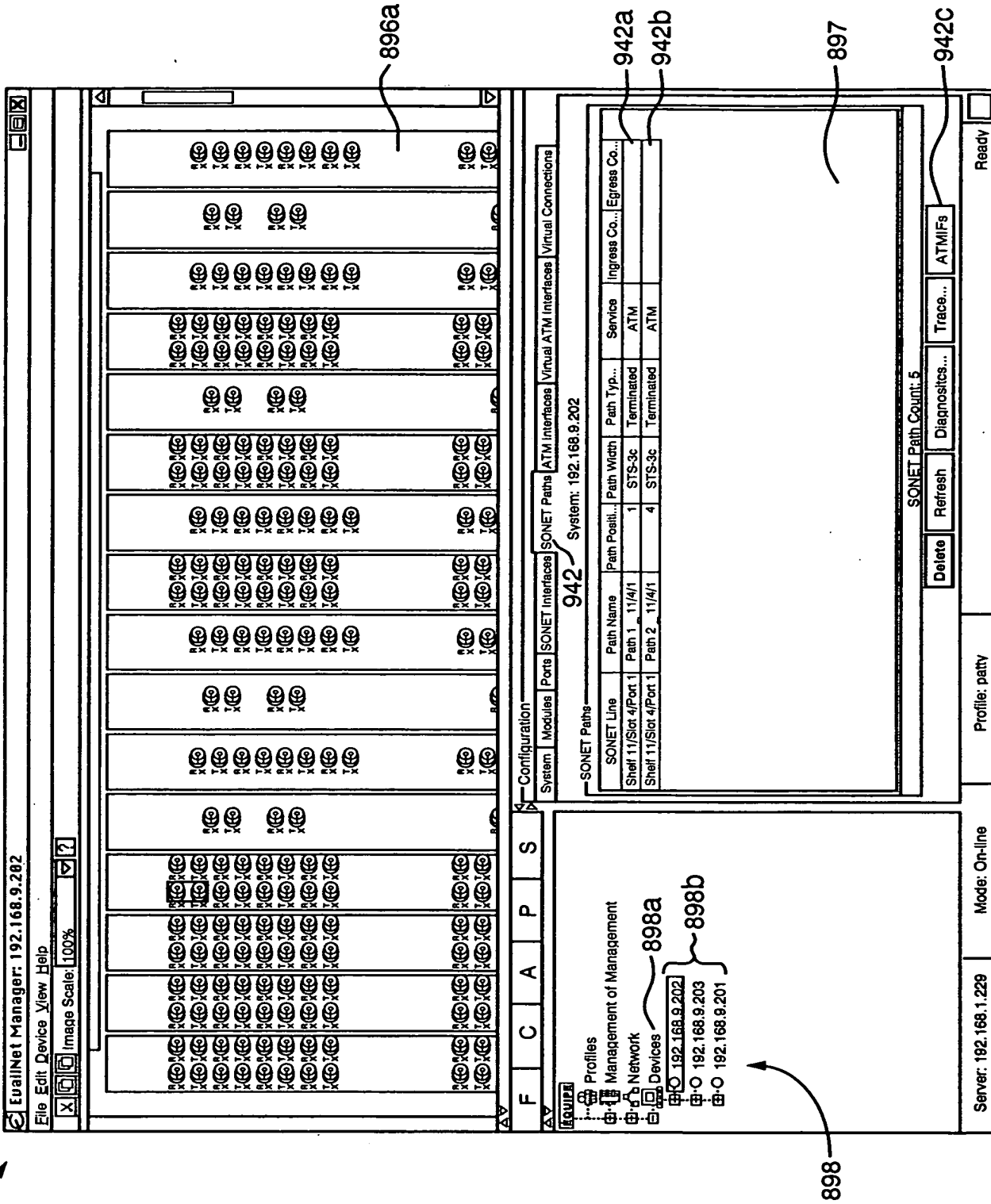


FIG. 5H

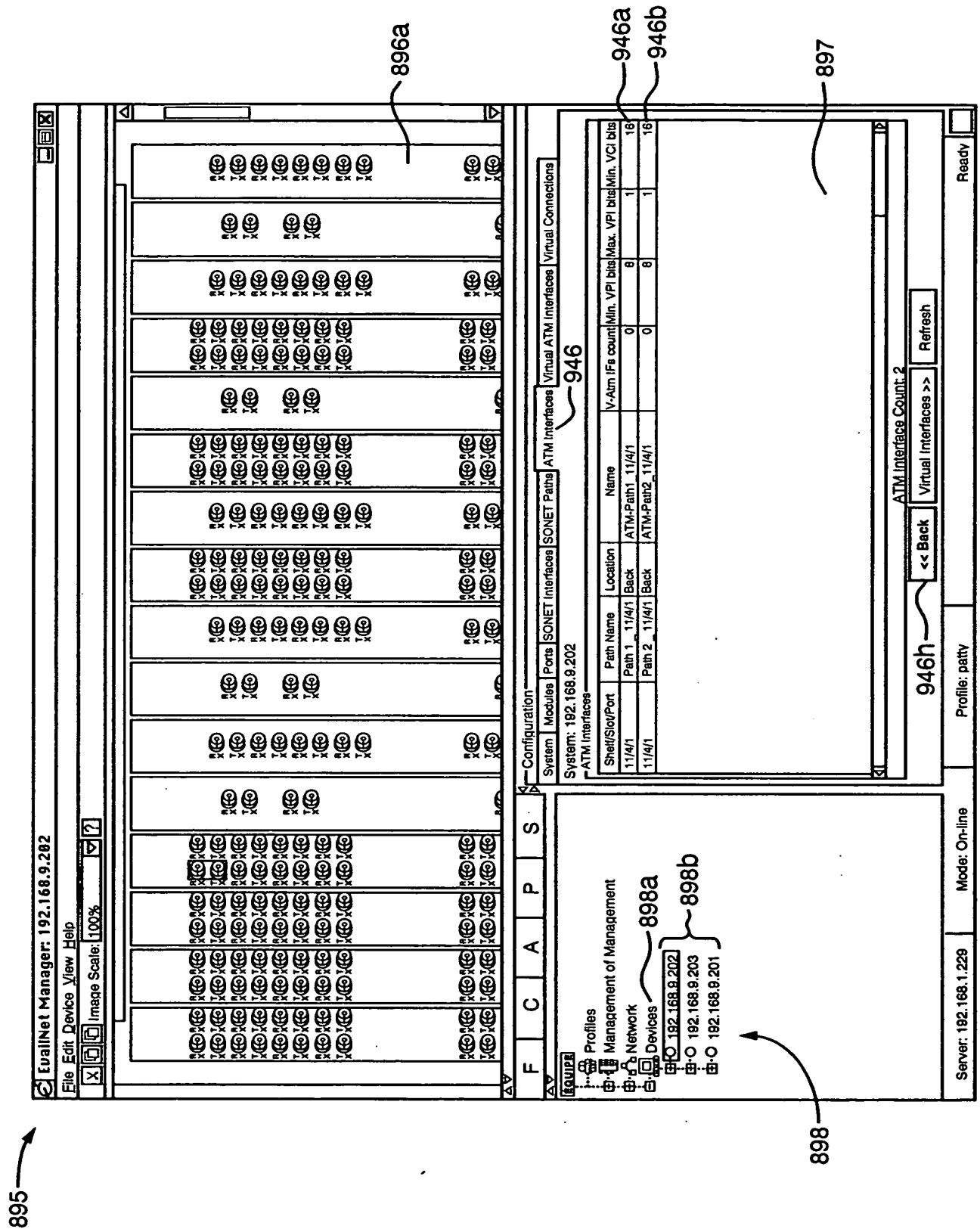


FIG. 51

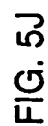


Figure 1 is a screenshot of a software window titled "EvalNet Manager: SONET Path Configuration - 11/5/2". The window displays the "SONET Path Configuration" dialog box. The dialog box has a title bar with a close button (X). Below the title bar, it says "System: 192.168.9.202". The main area is divided into two sections. The top section is titled "SONET Line" and contains a "Slot" field with the value "5", a "Port" field with the value "2", and a "Type" field with the value "OC48". The bottom section is titled "SONET Path Wizard" and contains three radio buttons: "Configure a single concatenated path (STS-48c)", "Configure", and "Custom Configuration". The "Configure" radio button is selected. To the right of the "Configure" radio button is a table with two columns: the first column contains the number "4", and the second column contains a dropdown menu showing "paths". At the bottom right of the dialog are "Ok" and "Cancel" buttons. Reference numerals 944a, 944b, 944c, 944d, and 944 point to various elements: 944a points to the "SONET Line" title, 944b points to the "Configure a single concatenated path (STS-48c)" radio button, 944c points to the "Configure" radio button, 944d points to the "Custom Configuration" radio button, and 944 points to the "Ok" and "Cancel" buttons.

FIG. 5K

EvaiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

STS-12c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-48c	Termin.	ATM		

Modify

Graphical Representation

Position

1

Width

STS-48c

944r

OK

Cancel

944q

944p

944e

944f

944

FIG. 5L

EvaiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)
 ☒

4

STS-12c

paths

☐ Custom Configuration

944s

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-12c	Termin.	ATM		
11/5/2	Path2_11/...	13	STS-12c	Termin.	ATM		
11/5/2	Path3_11/...	25	STS-12c	Termin.	ATM		
11/5/2	Path4_11/...	37	STS-12c	Termin.	ATM		

Modify

OK Cancel

Graphical Representation

Position

Width

1

13

25

37

STS-12c

STS-12c

STS-12c

STS-12c

944

944a

944b

944c

944d

944g

944f

944e

FIG. 5M

944

EvaiNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

944b

944c

944d

944g

Configure

Configure a single concatenated path (STS-48c)

Custom Configuration

Path Table

1

1

4

16

944s

944t

paths

STS-48c

SONET Line

Path Name

Path Posit.

Path Wi.

Path Ty.

Servi.

Ingress Conne.

Egress Conne.

11/5/2

Path1_11/...

1

STS-48c

Termin.

ATM

944p

Modify

944r

OK

944q

Cancel

Graphical Representation

Position

Width

1

STS-48c

944e

944f

FIG. 5N

EvaInet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot **5** Port **2** Type **OC48**

SONET Path Wizard

- ☐ Configure a single concatenated path (STS-48c)
- ☒ **Configure**
- ☐ Custom Configuration

16 STS-3C

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-3c	Termin.	ATM		
11/5/2	Path2_11/5/2	4	STS-3c	Termin.	ATM		
11/5/2	Path3_11/5/2	7	STS-3c	Termin.	ATM		
11/5/2	Path4_11/5/2	10	STS-3c	Termin.	ATM		
11/5/2	Path5_11/5/2	13	STS-3c	Termin.	ATM		
11/5/2	Path6_11/5/2	16	STS-3c	Termin.	ATM		
11/5/2	Path7_11/5/2	19	STS-3c	Termin.	ATM		

FIG. 50

EvalInet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot: 5 Port: 2 Type: OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

Functions

Available SONET Paths

STS-3C
STS-12C

Allocated SONET Paths

STS-3C
STS-3C
STS-3C
STS-3C
STS-12C

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/5/2	Path1_11/...	1	STS-3c	Terminated	ATM		
11/5/2	Path2_11/...	4	STS-3c	Terminated	ATM		
11/5/2	Path3_11/...	7		Terminated	ATM		

Graphical Representation

Position: 1, 4, 7, 10, 22, 34

Width: STS-3C, STS-3C, STS-3, STS-3, STS-12C, STS-12C

FIG. 5P

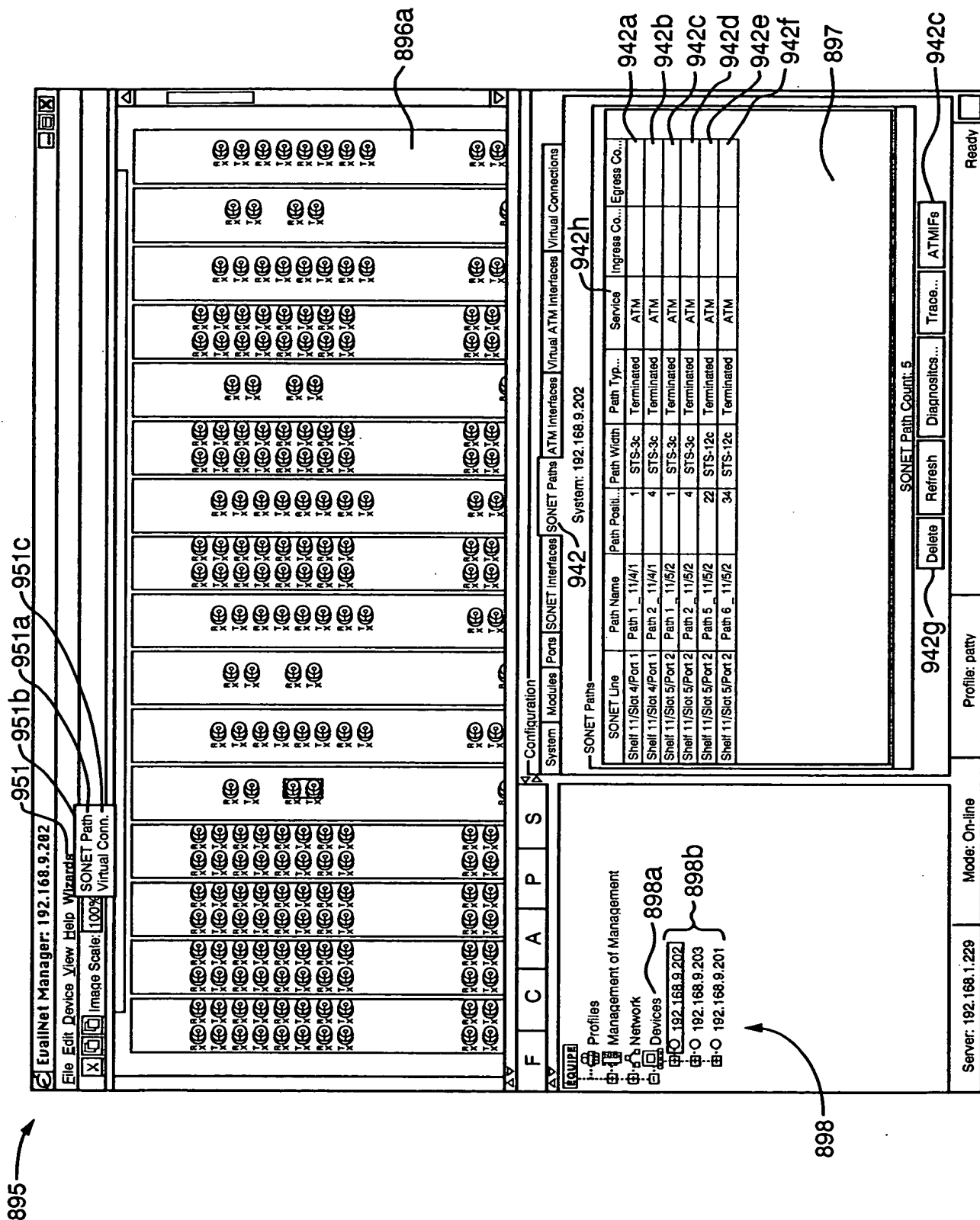


FIG. 5Q

895

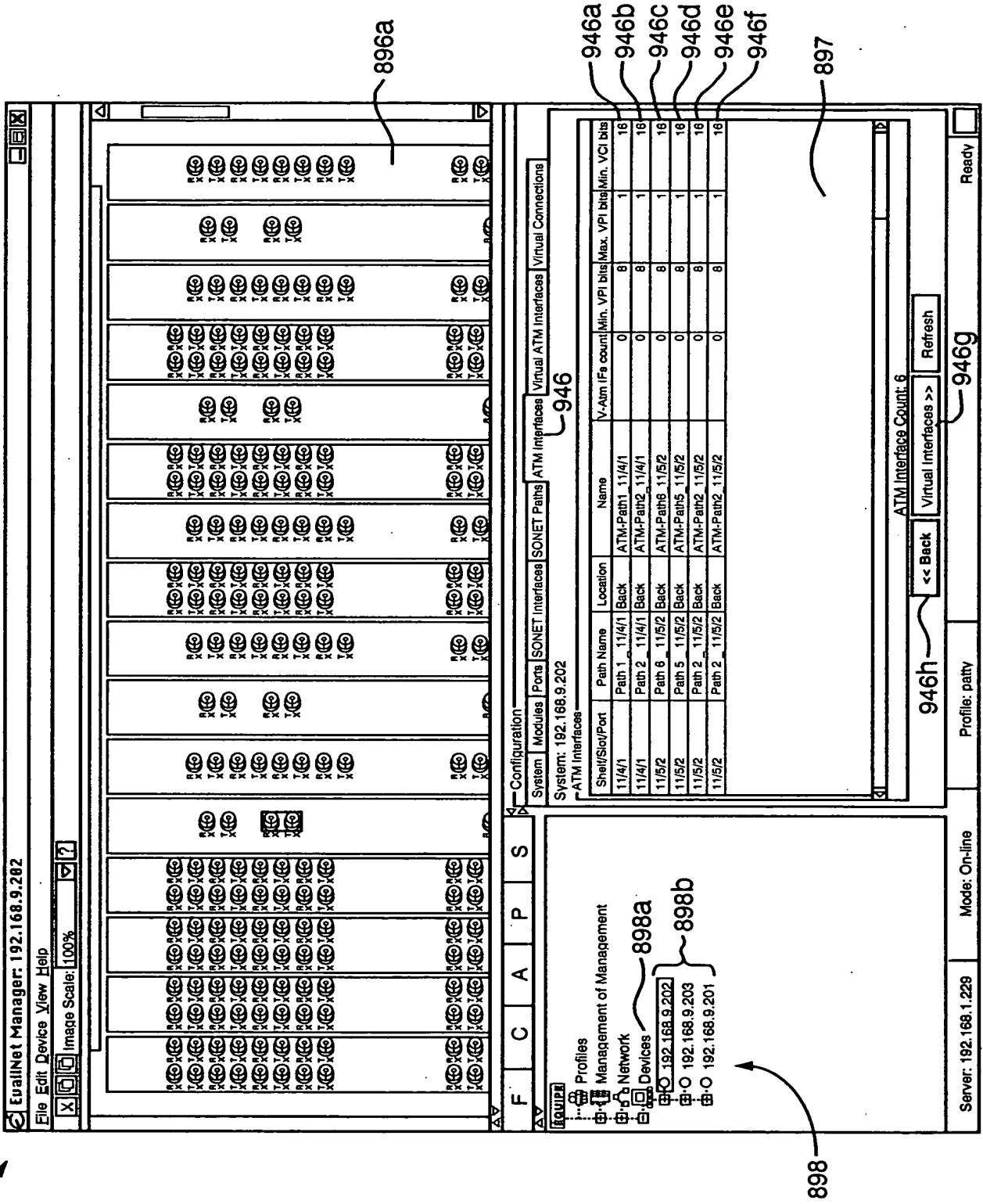


FIG. 5R

895

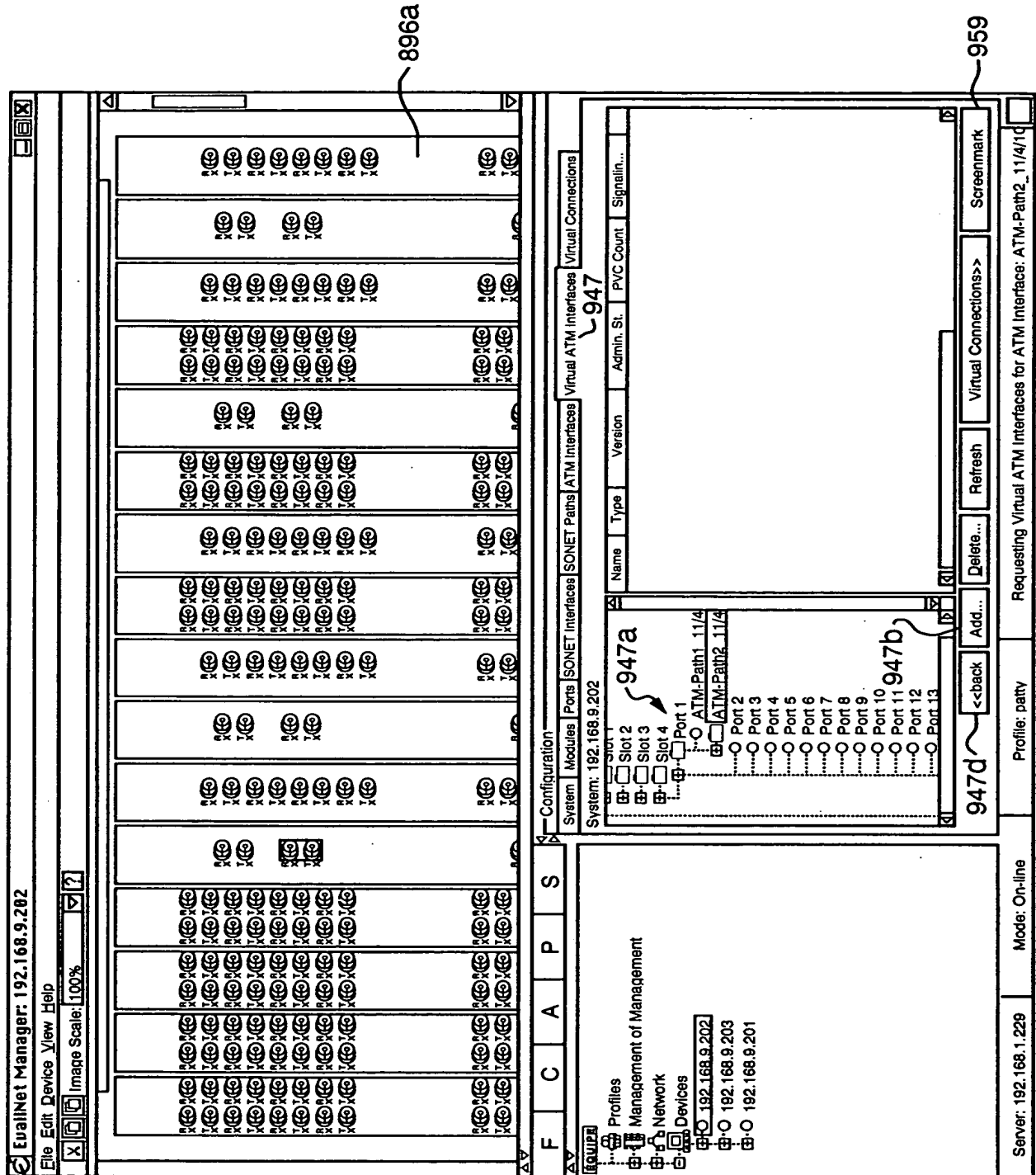


FIG. 5S

950

Add U-ATM Interface - 192.168.9.202 [X]

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/4/1

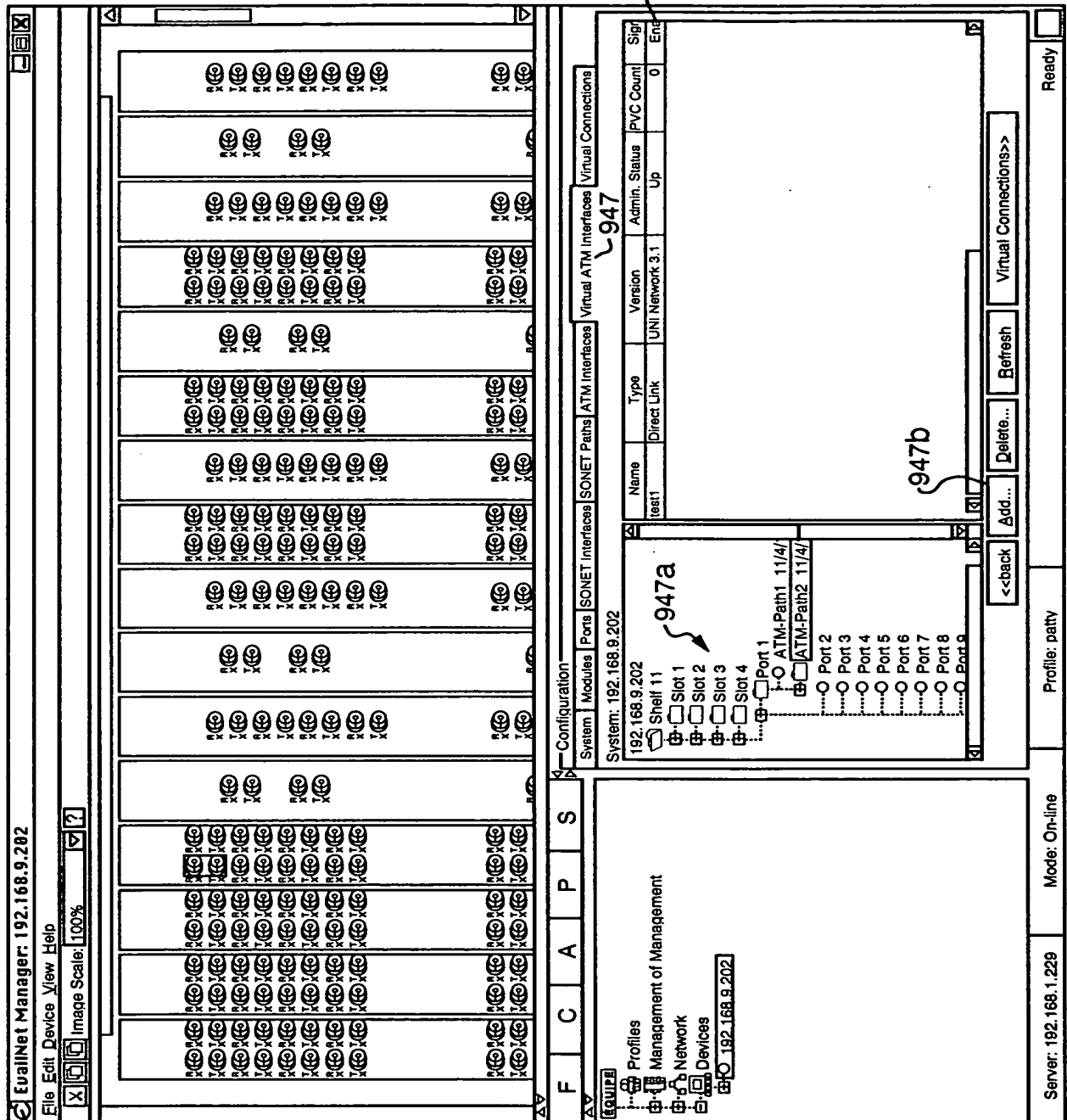
Virtual ATM Interface Parameters

950d Name	test1
950a Connection Type	Direct Link
950b Version	UNI Network 3.1
950c Admin Status	Up

950e

OK Cancel

FIG. 5T



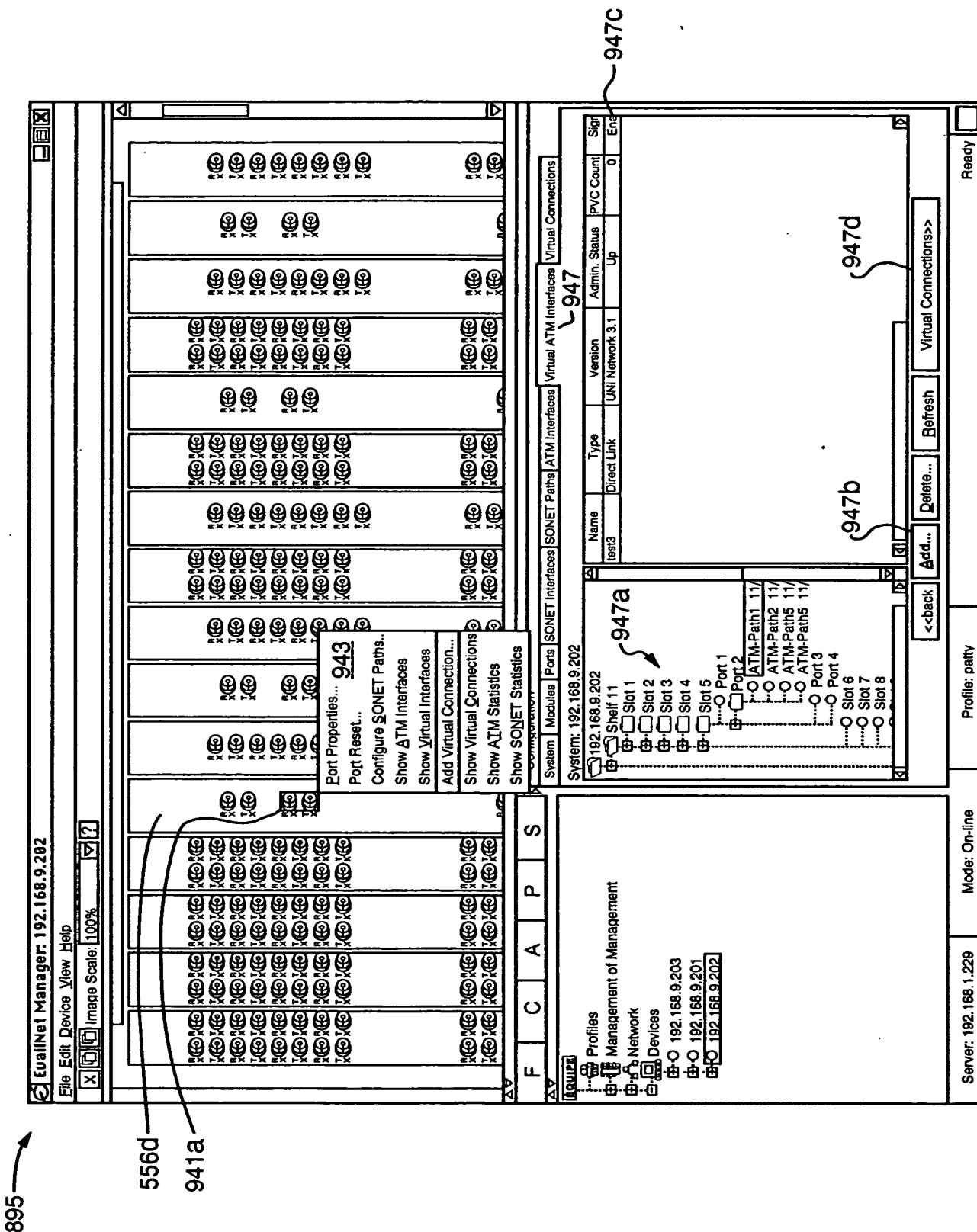


FIG. 5V

74/289

952

EvailNet Manager: 192.168.9.202 - Virtual Connection Wizard

Connection Topology

What type of connection do you want?

☒ Point to Point ☐ Point to Multipoint

Connection Type

Do you want to create a Virtual Path or a Virtual Channel?

☒ Virtual Path Connection (VPC) ☐ Virtual Channel Connection (VCC)

☐ Soft (SPVPC/SPVCC)

952a

952b

providing
the optical
on-ramp™

Welcome to
EQUIPE Communications

Next>> Cancel

FIG. 5W

953

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202Destination: 192.168.9.202

953aEnd Point 1

Slot 4

Port 1

ATM-Path1_11/4/1

ATM-Path2_11/4/1

test1

test2

Port 2

Port 3

Port 4

953b

End Point 1

Slot 3

Slot 4

Slot 5

Port 1

Port 2

ATM-Path1_11/5/2

test3

ATM-Path2_11/5/2

ATM-Path5_11/5/2

953c

953d

953eConnection Parameters

Connection Name:

test

Admin Status:

Up

953h

Customer Name:

Walmart

Customer List

953fEnd Point 1 Parameters:

VPI:

953i

☒ Use Any VPI Value

953k

VCI:

953m

☐ Use Any VCI Value

953o

Transmit Traffic Descriptor:

VBR-high

Add Traffic Descriptor...

Receive Traffic Descriptor:

VBR-high

953q

☐ Use the same Traffic Descriptor for both Transmit and Receive

953gEnd Point 2 Parameters:

VPI:

953j

☒ Use Any VPI Value

953l

VCI:

953n

☐ Use Any VCI Value

953p

Transmit Traffic Descriptor:

VBR-high

Add Traffic Descriptors...

Receive Traffic Descriptor:

VBR-high

953r

☐ Use the same Traffic Descriptor for both Transmit and Receive

953t

953u

953w

953v

<<Back

Finish

Cancel

FIG. 5X

76/289

956

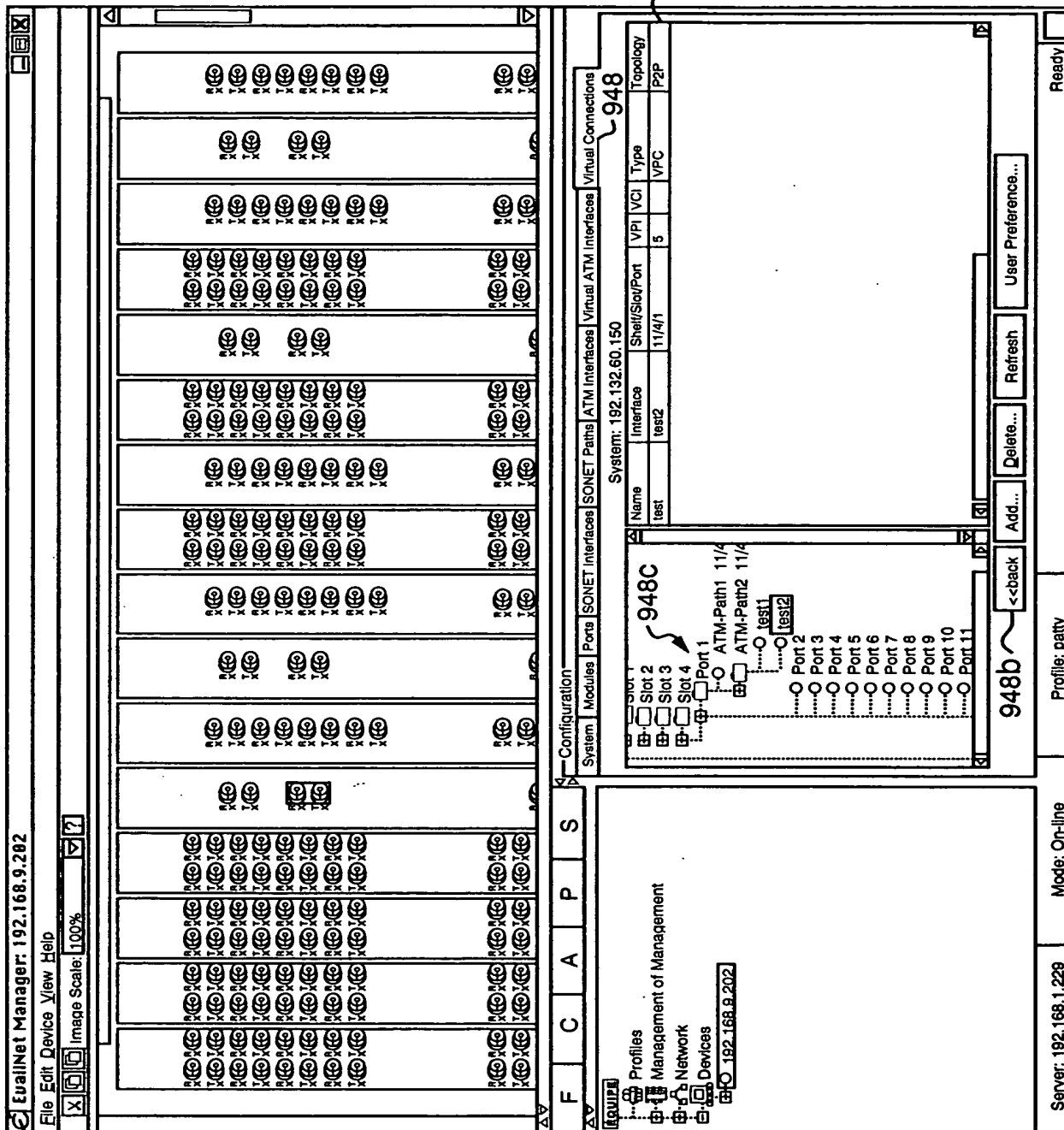
**NEW TRAFFIC
DESCRIPTOR**

NAME:

QoS CLASS: ☒

TYPE: ☒

FIG. 5Y



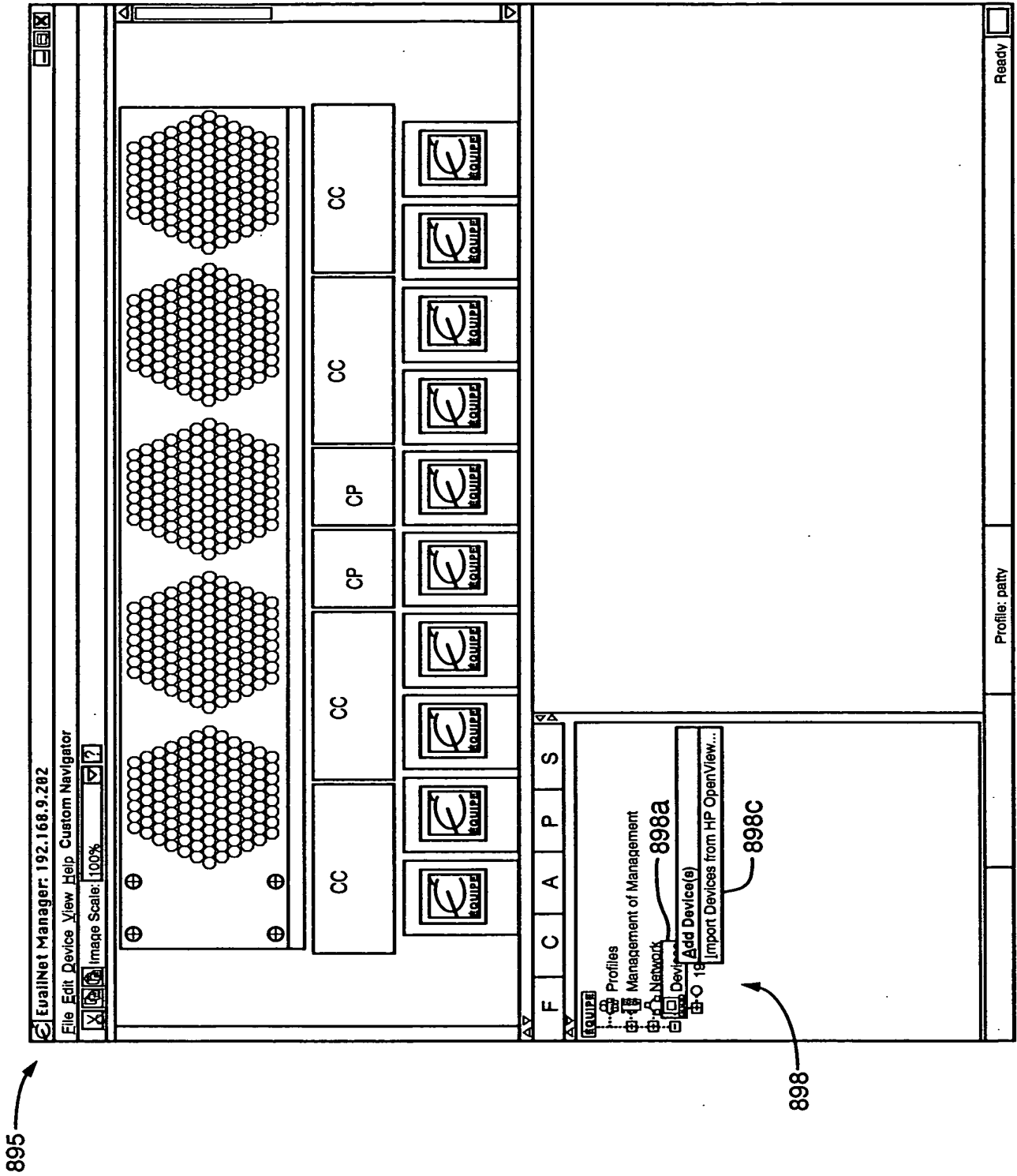


FIG. 6A

79/289

The dialog box is titled "AddDeleteDeviceDlg" and has a close button (X) in the top right corner. It contains the following elements:

- A label "Enter device to add" above a text input field containing the IP address "192.168.9.201".
- A checkbox labeled "Manage device in on-line mode" with a label "898l" pointing to it.
- An "Add" button with a label "898f" pointing to it.
- A section titled "Device List" containing a sub-section "On-Line Device" with an empty list box labeled "898g".
- Three buttons at the bottom: "OK", "Cancel", and "Delete".

Reference numerals 898d and 898e point to the main dialog box and the input field, respectively.

FIG. 6B

The dialog box is titled "AddDeleteDeviceDlg" and has a close button (X) in the top right corner. It contains the following elements:

- A label "Enter device to add" above an empty text input field.
- A checkbox labeled "Manage device in on-line mode".
- An "Add" button.
- A section titled "Device List" containing a sub-section "On-Line Device" with a list box labeled "898g" containing one entry: a checkbox followed by the IP address "192.168.9.201". A label "898m" points to the checkbox in this entry.
- Three buttons at the bottom: "OK", "Cancel", and "Delete".

Reference numerals 898d and 898g point to the main dialog box and the list box, respectively.

FIG. 6C

895

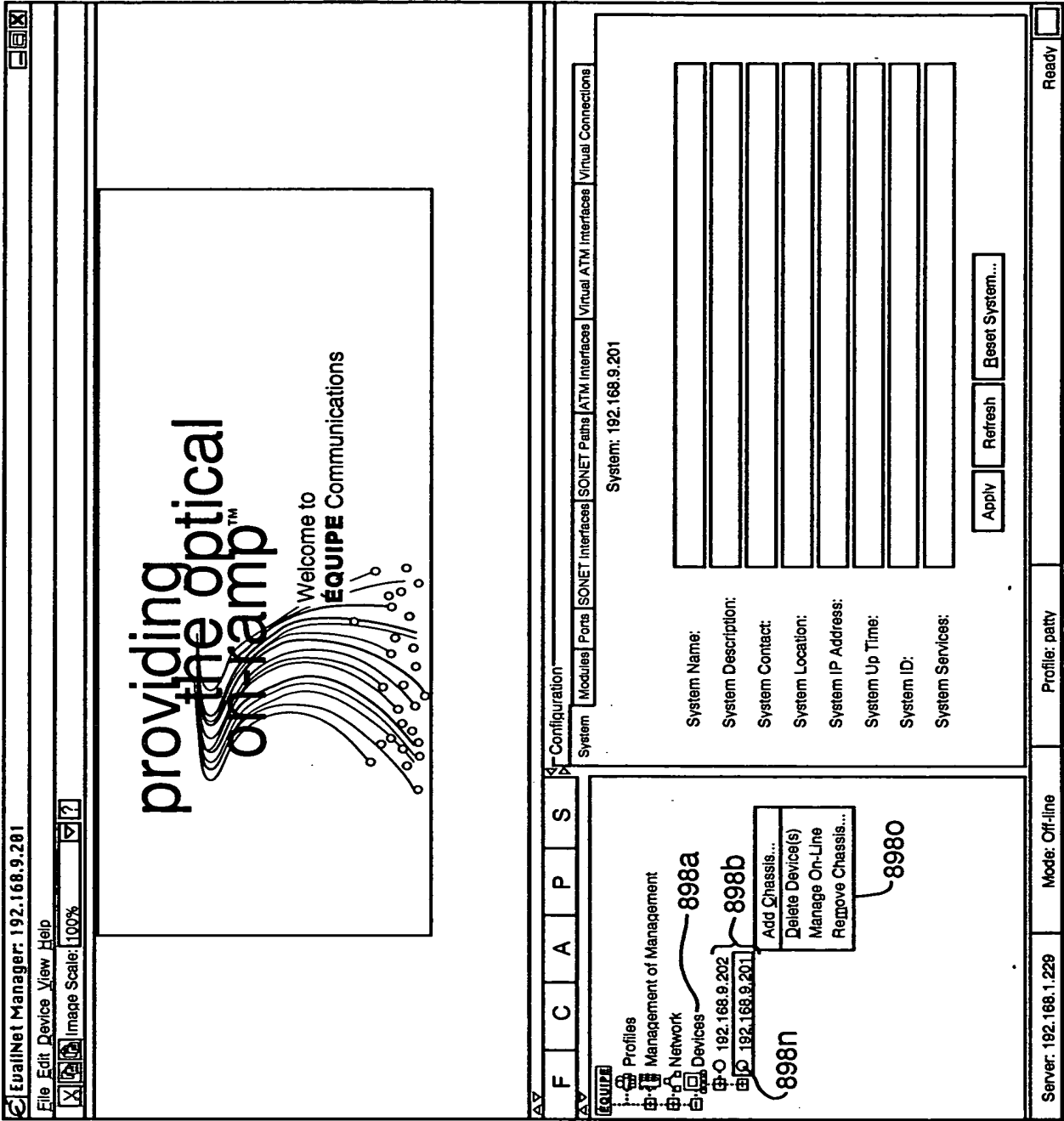


FIG. 6D

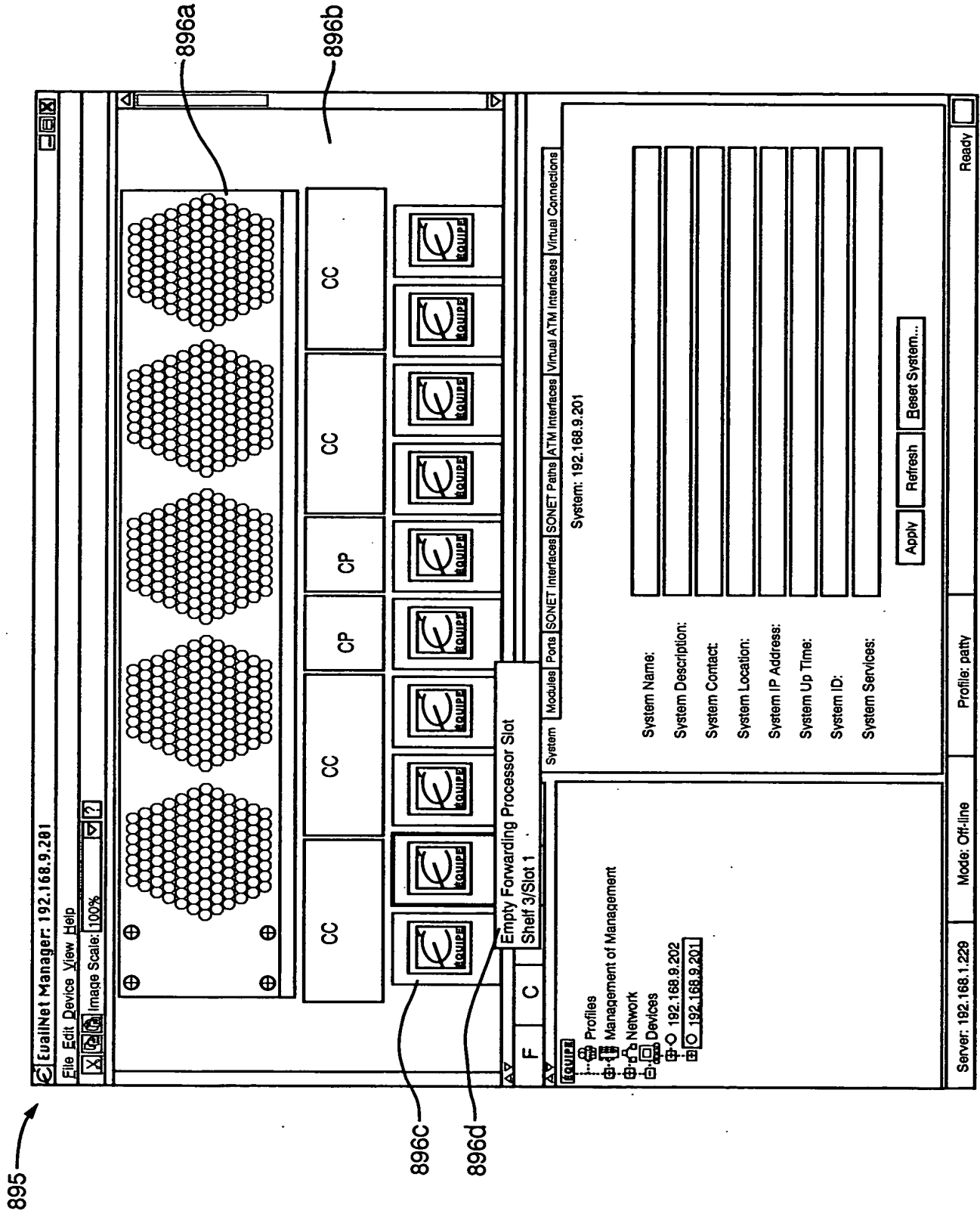


FIG. 6E

895

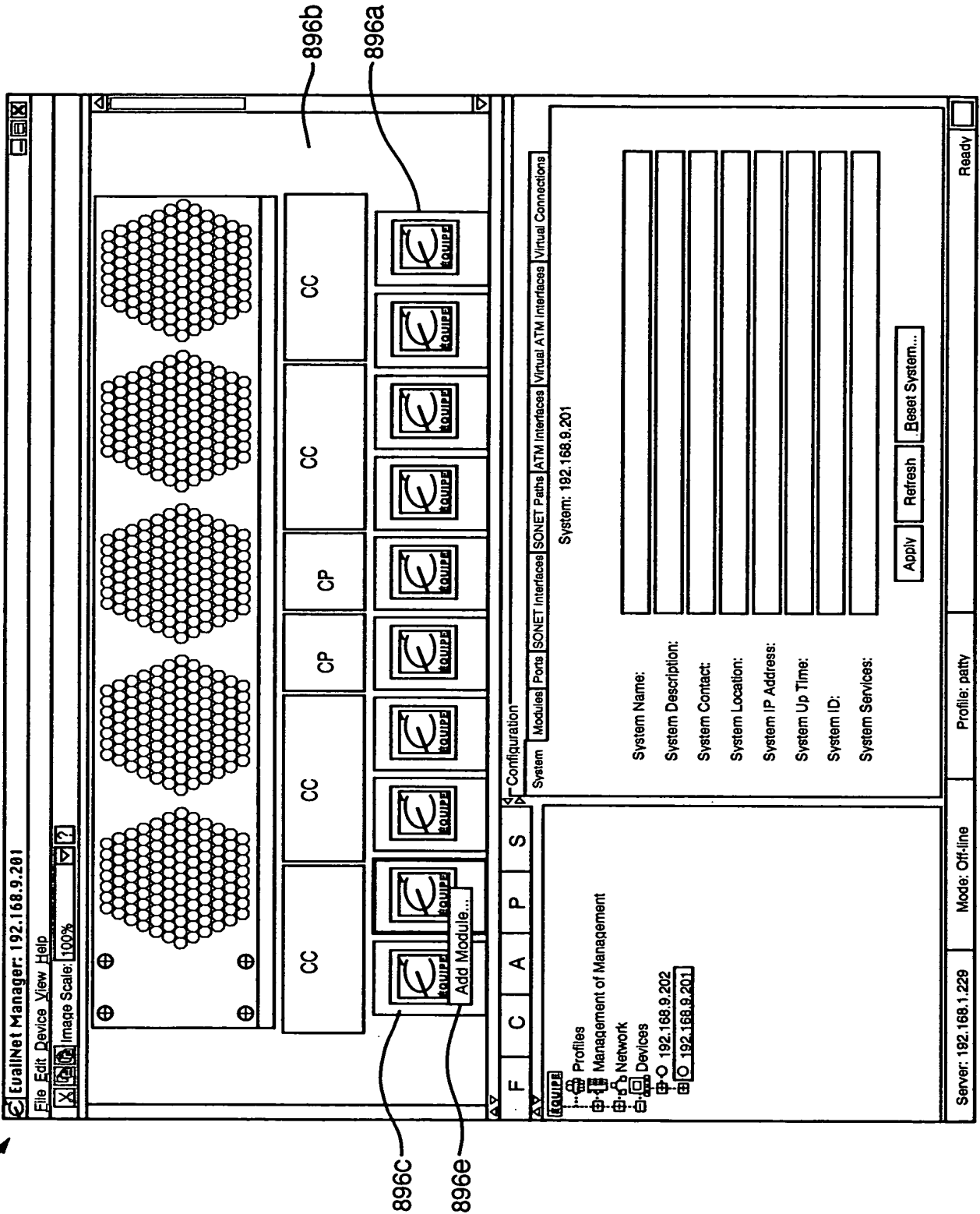


FIG. 6F

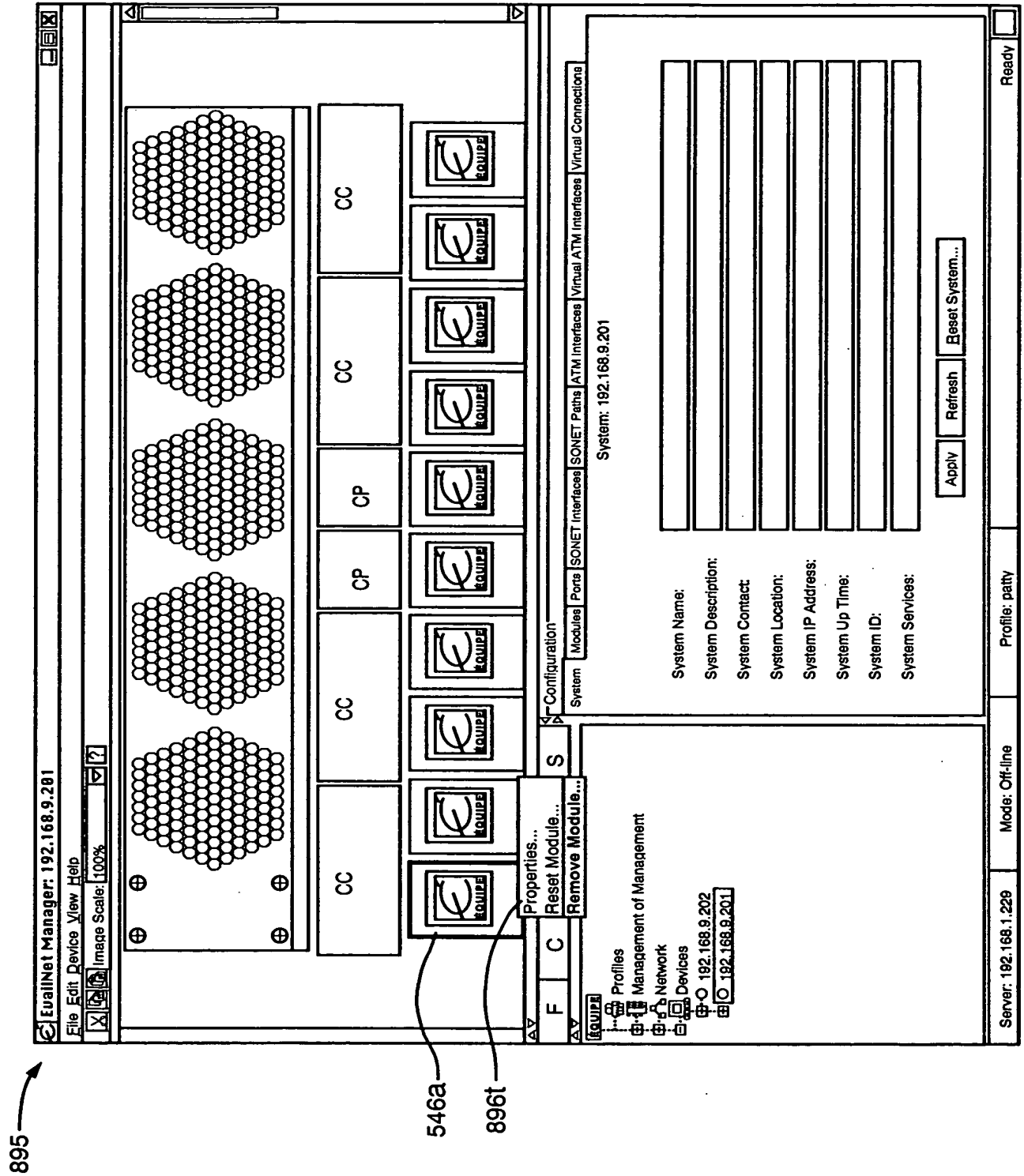


FIG. 6G

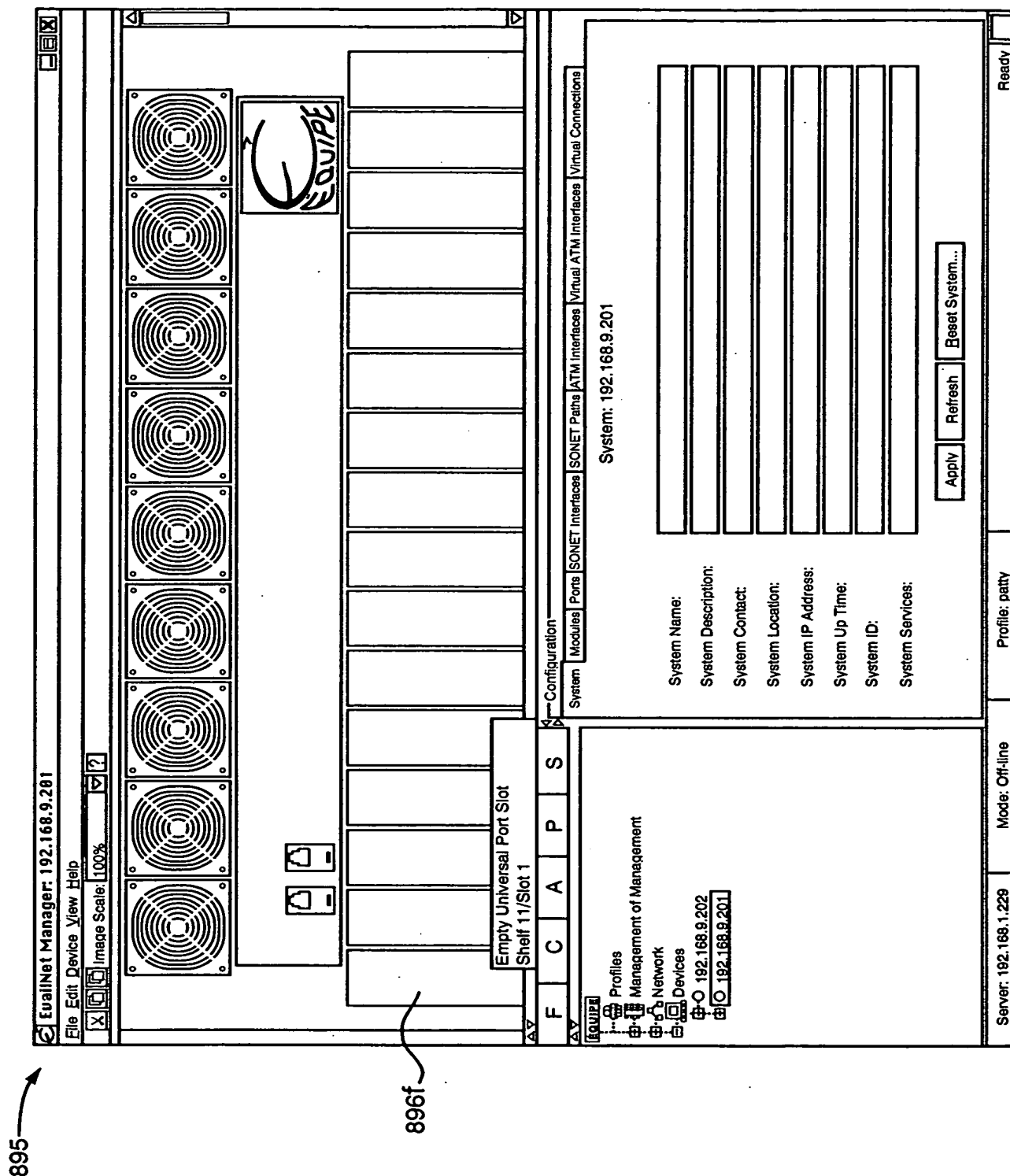


FIG. 6H

895

896f

896g

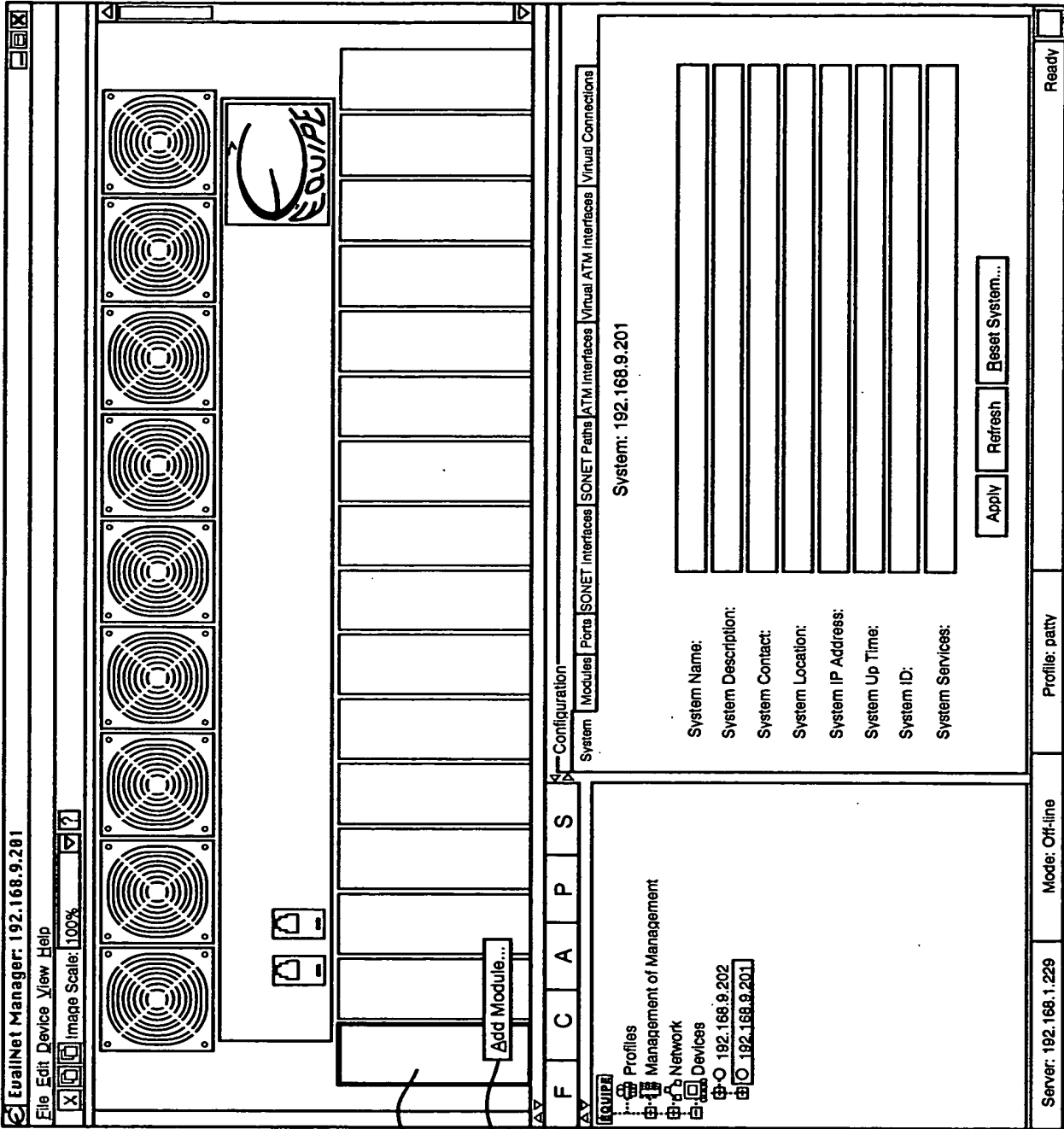


FIG. 6I

86/289

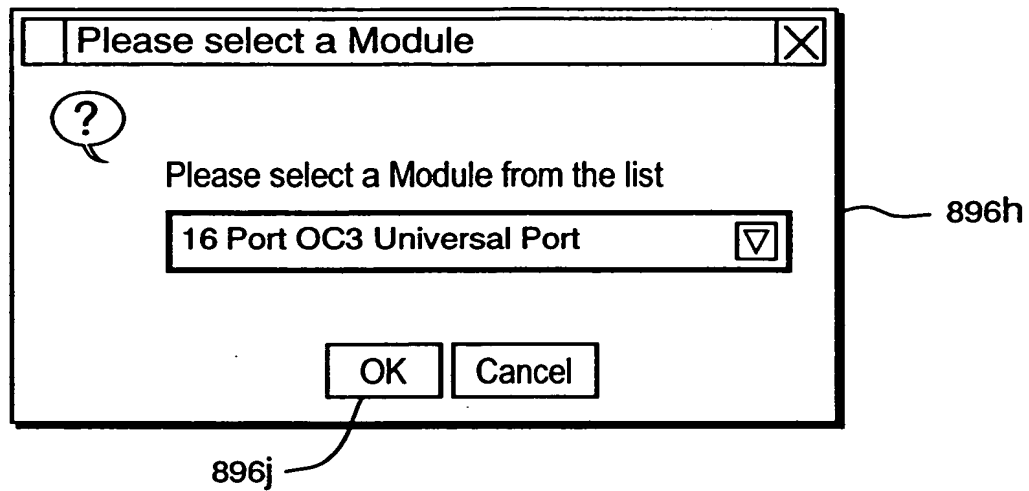


FIG. 6J

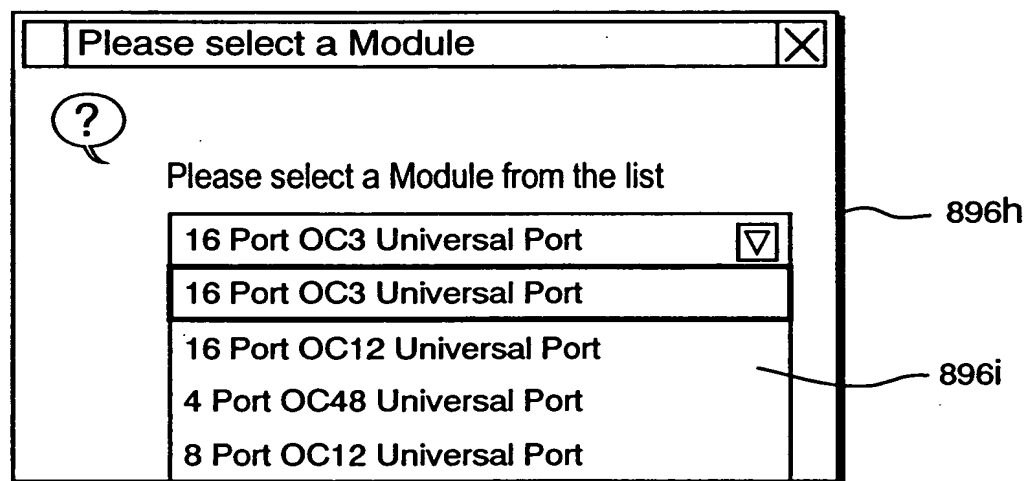


FIG. 6K

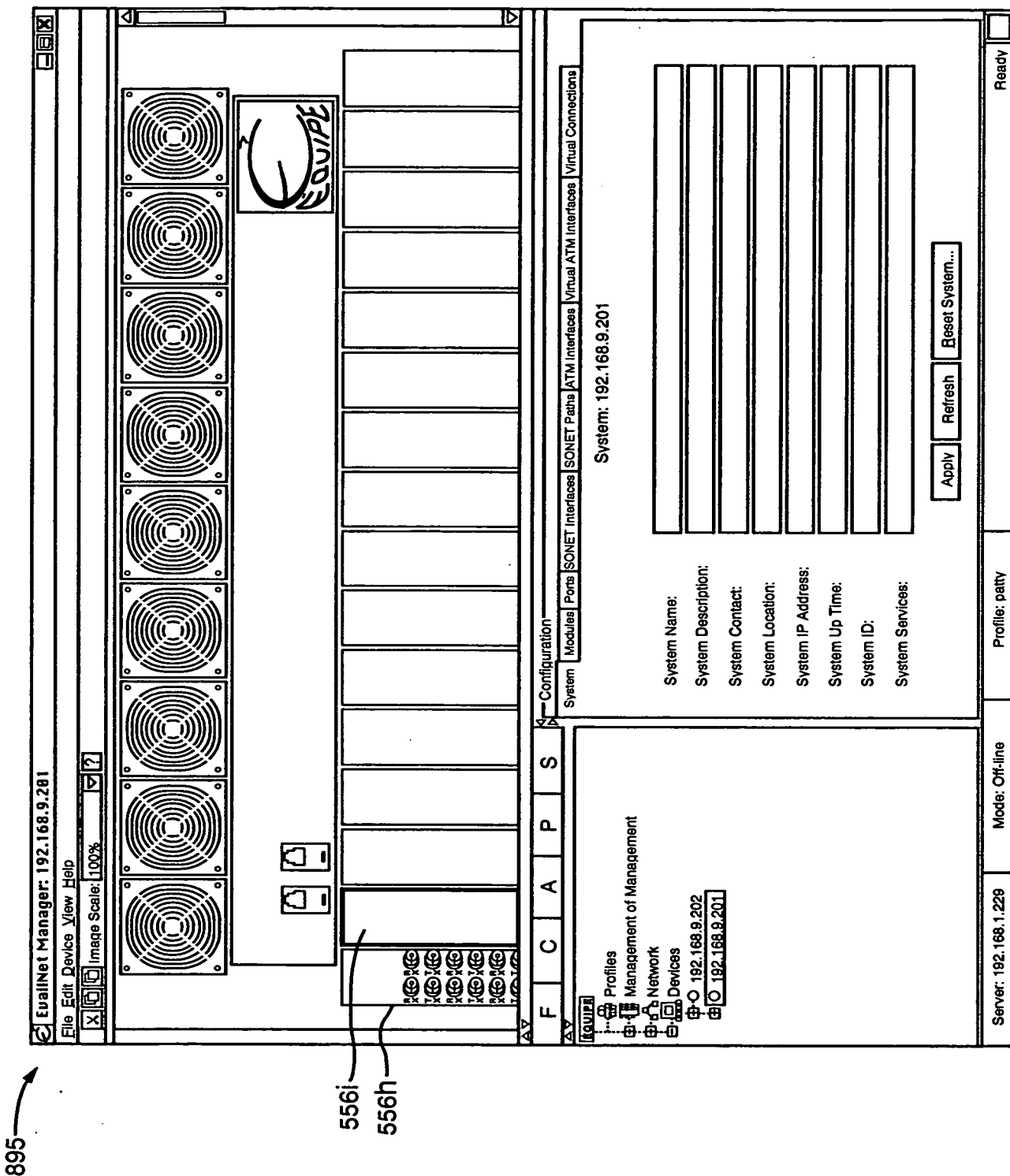


FIG. 6L

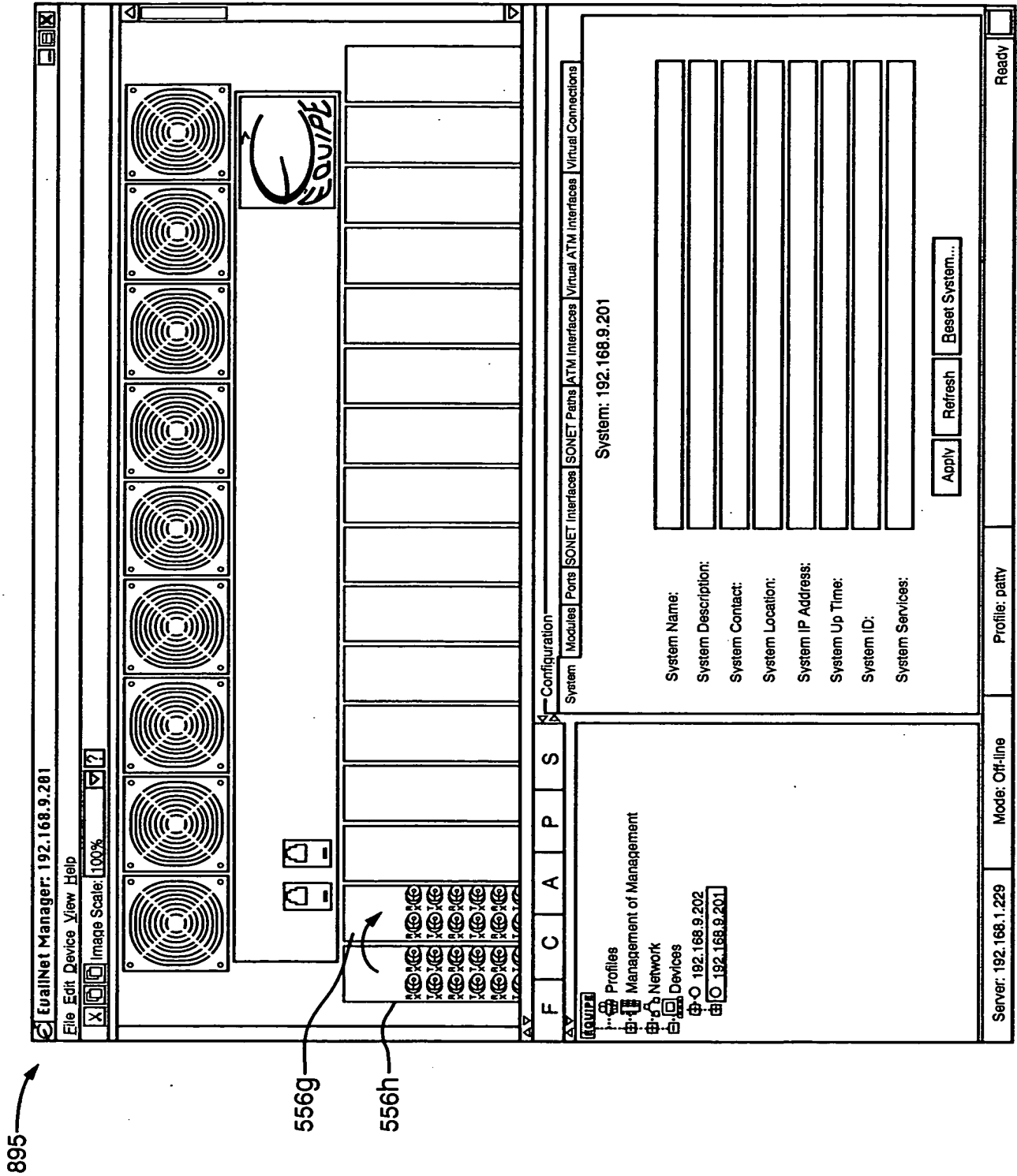


FIG. 6M

895

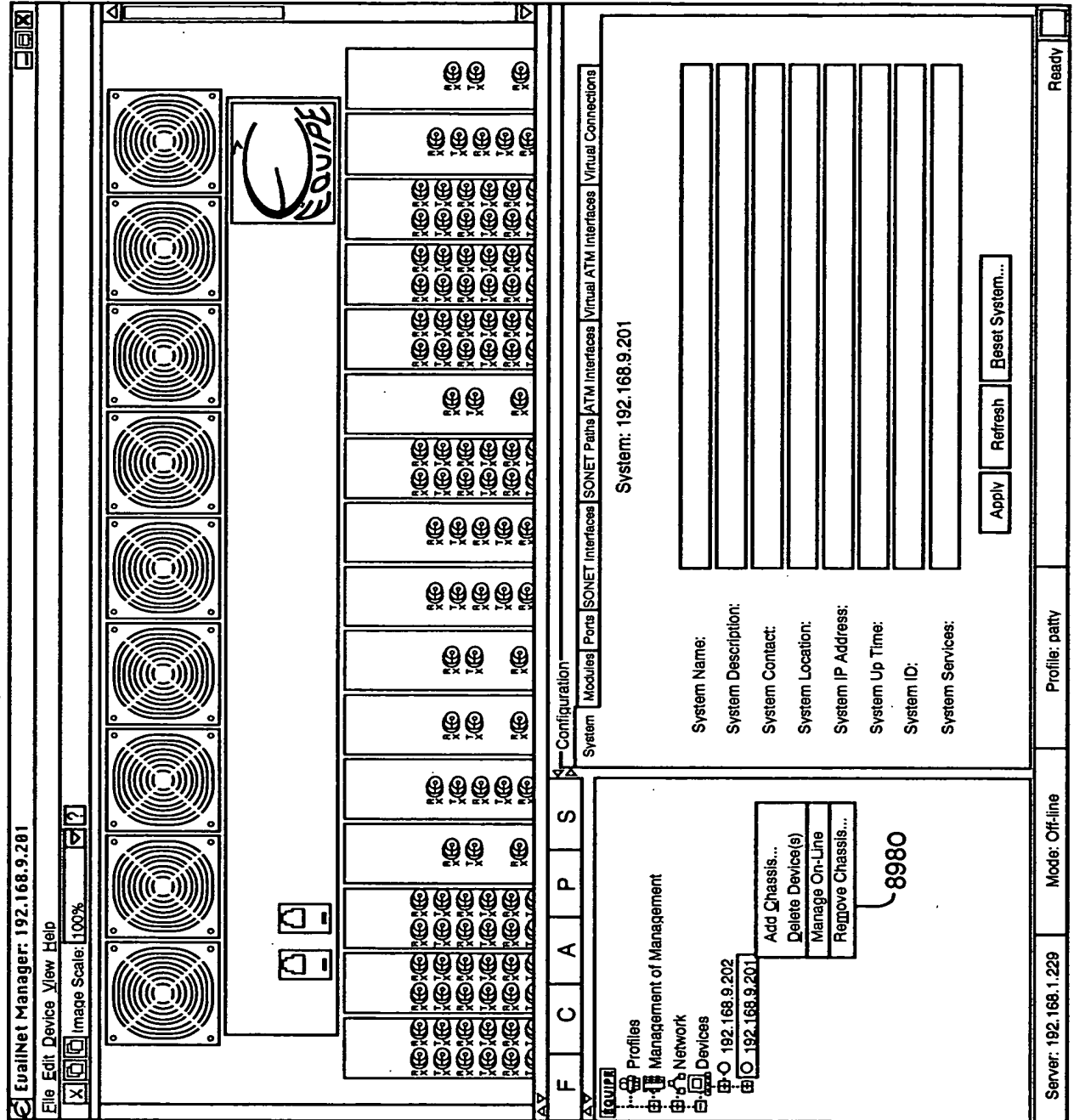


FIG. 6N

895

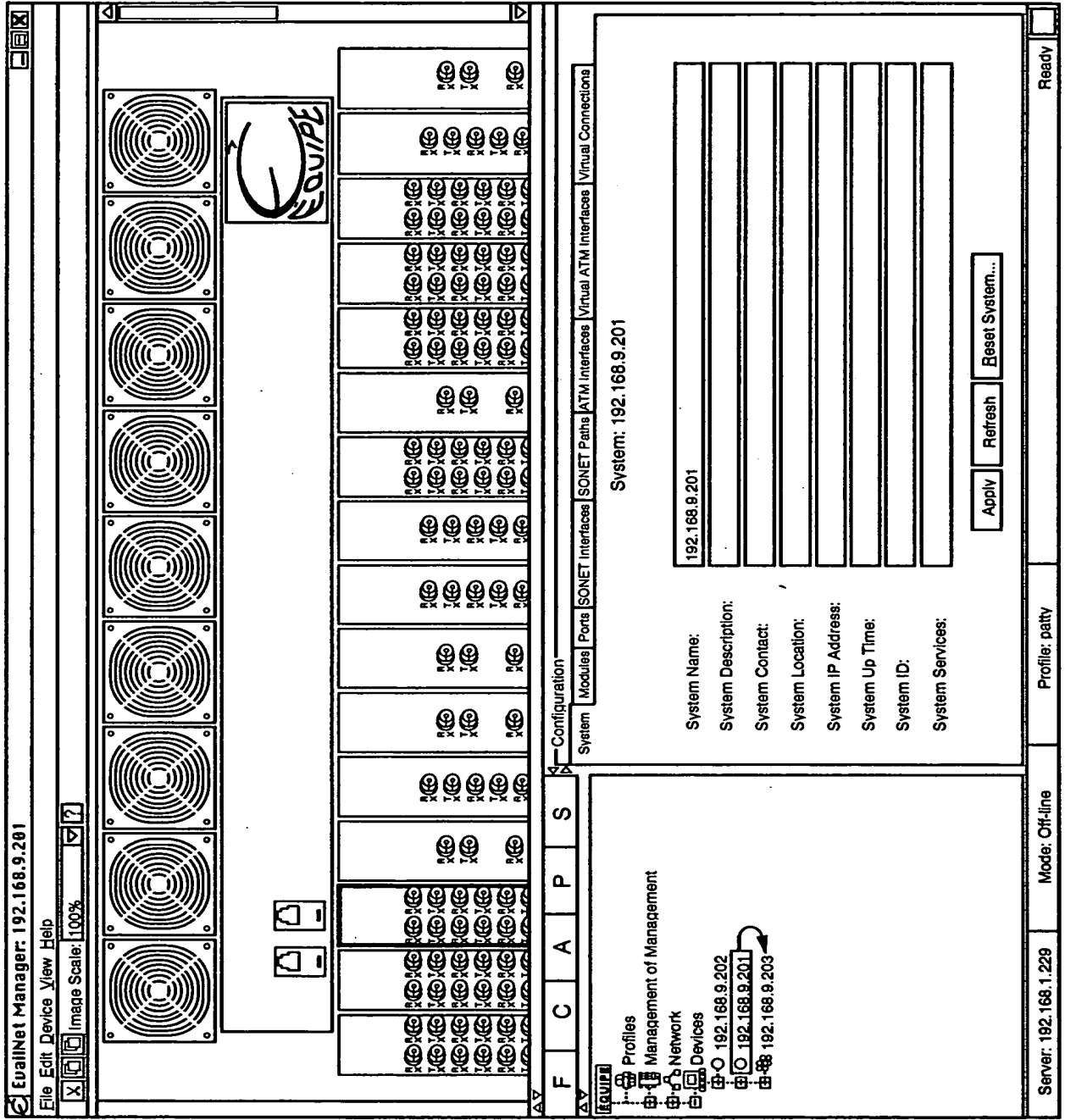


FIG. 60

895

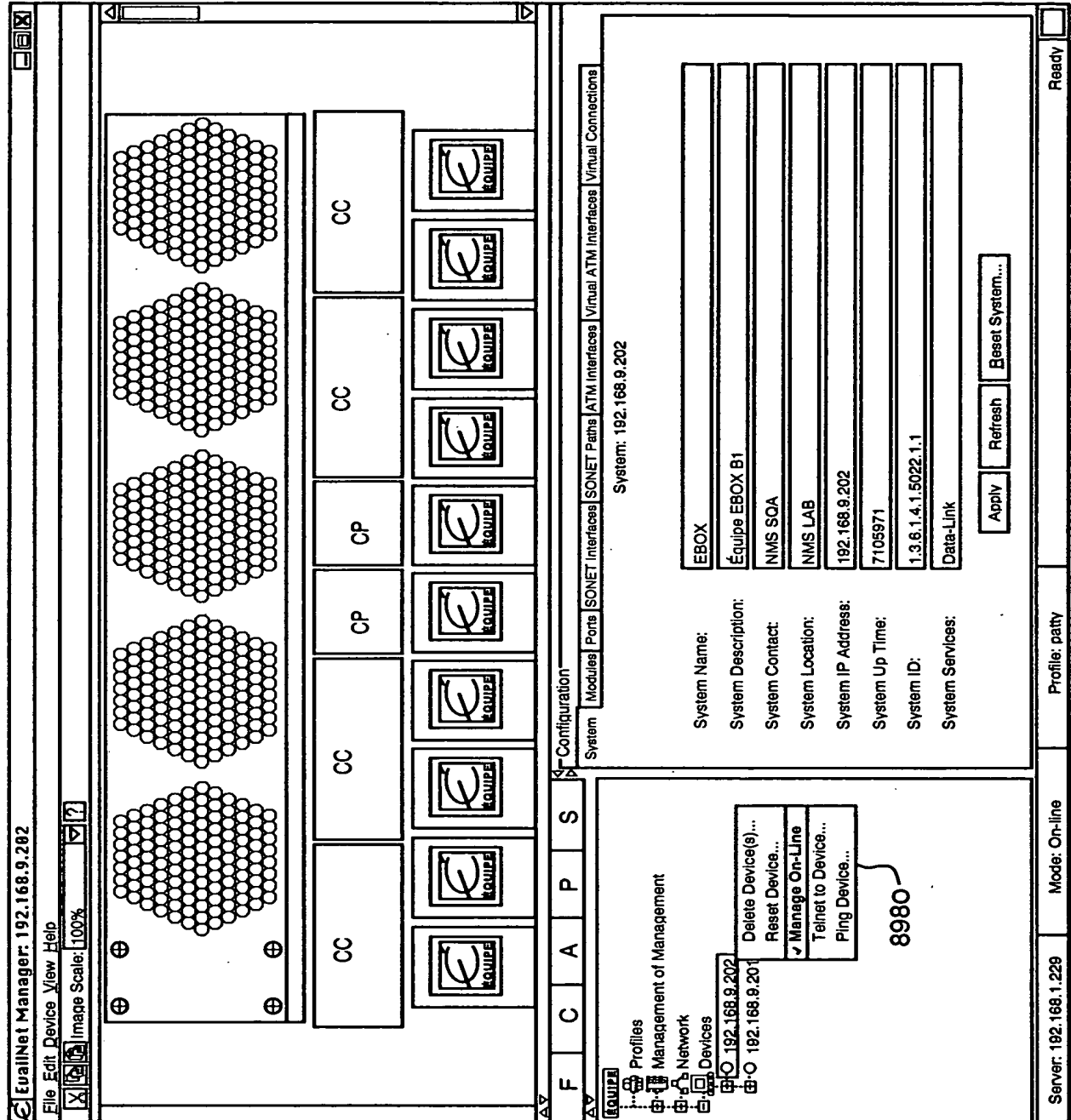


FIG. 6P

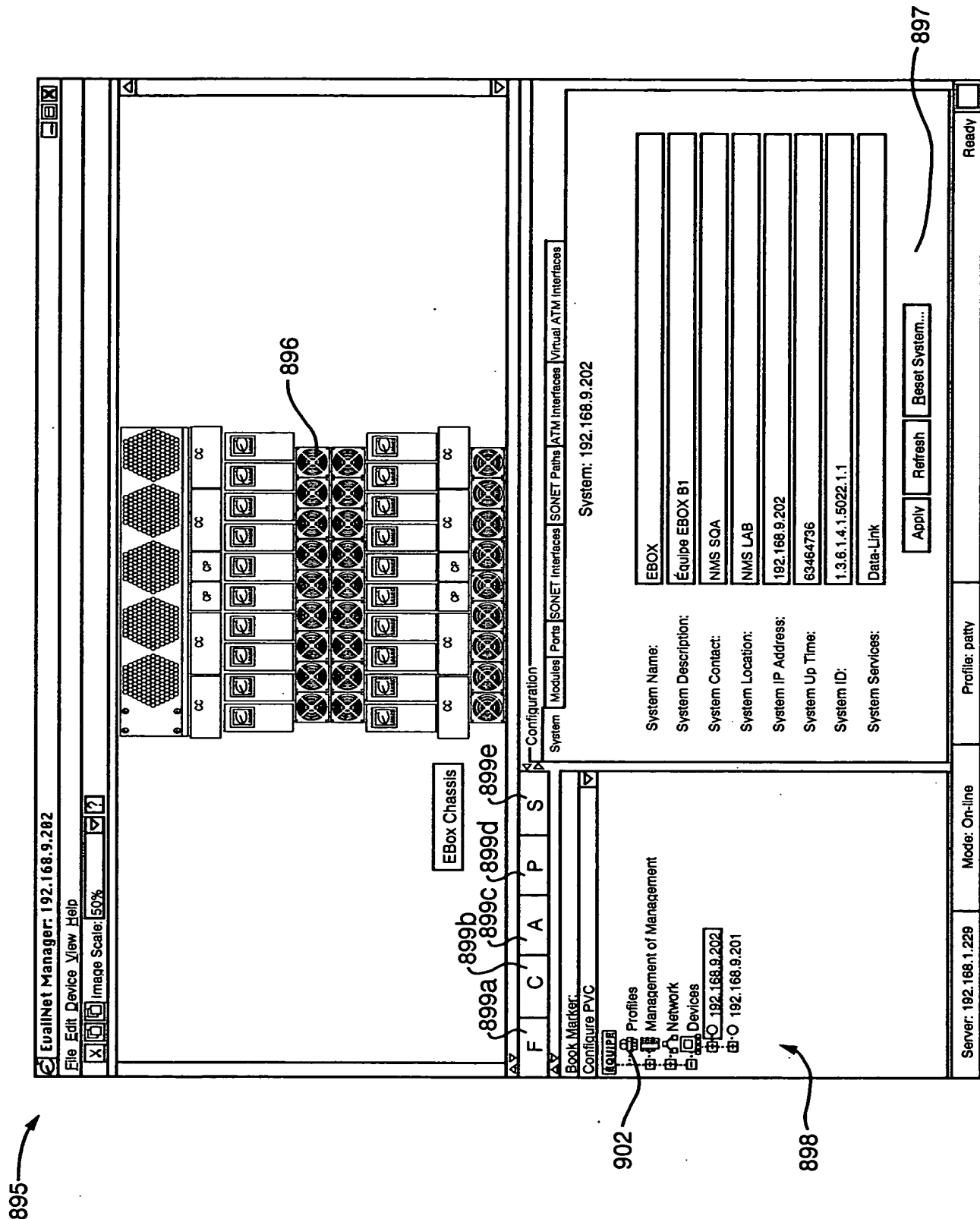


FIG. 7A

93/289

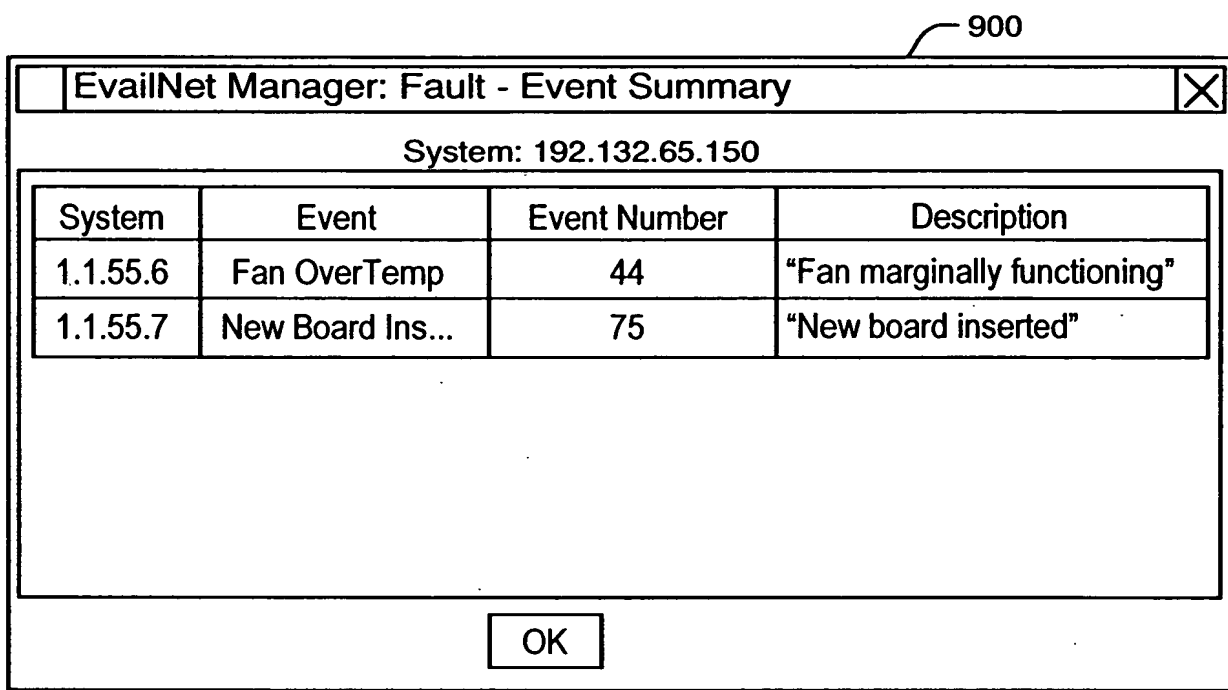


FIG. 7B

EqualNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 50%

AV

899a

899b

899c

899d

899e

F

C

A

P

S

AV

Book Marks

Configure PVC

EQUIPE

Profiles

Management of Management

Server: 192.168.9.202

Mode: On-line

Profile:

Ready

Security

SHMP Configuration Changes

System: 192.168.9.202

SHMP Community Strings

READ Community:
public

READ/WRITE Community:
public

Command Line Interpreter (CLI)

Administrator Password:
root

Apply

FIG. 7C

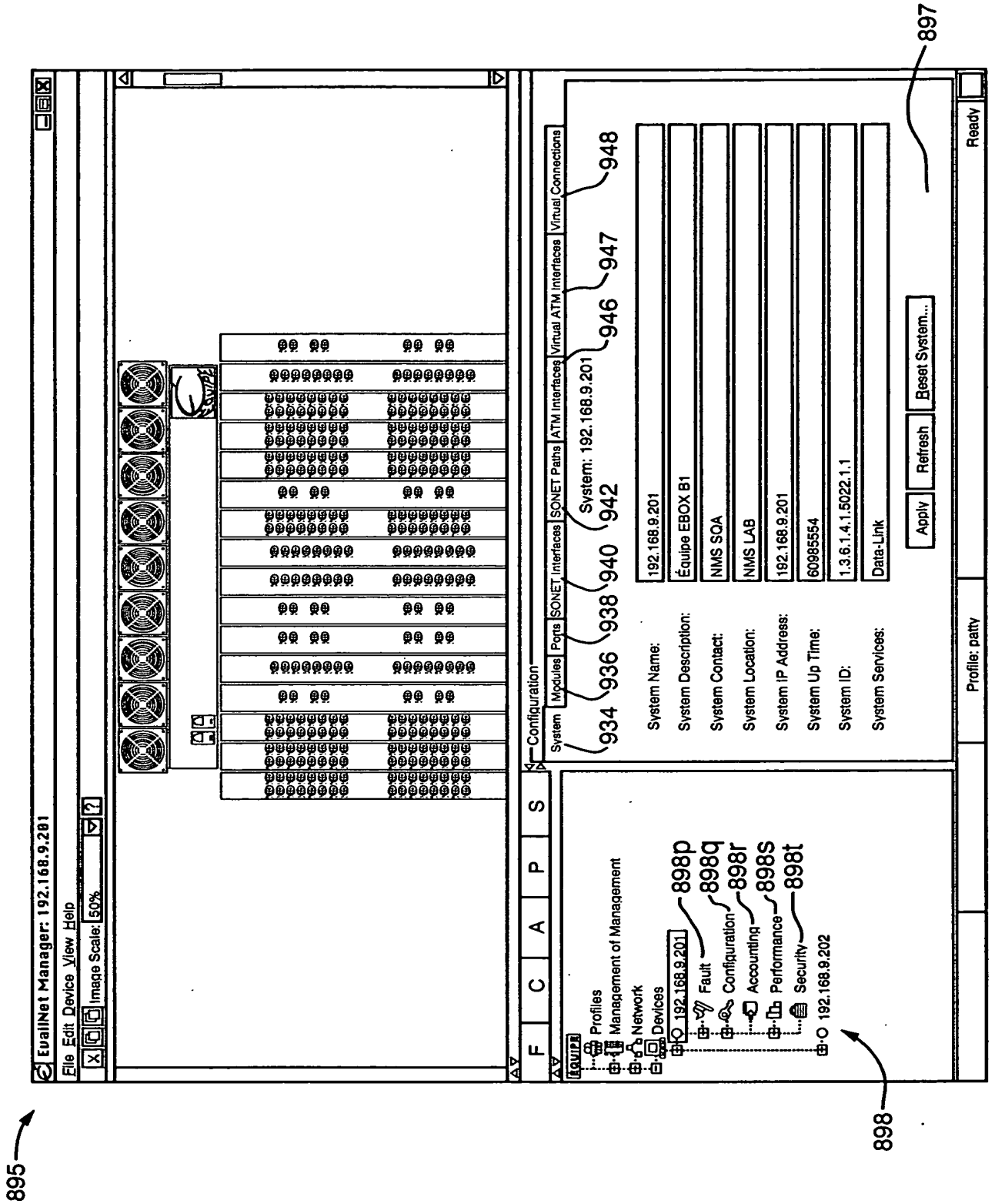


FIG. 7D

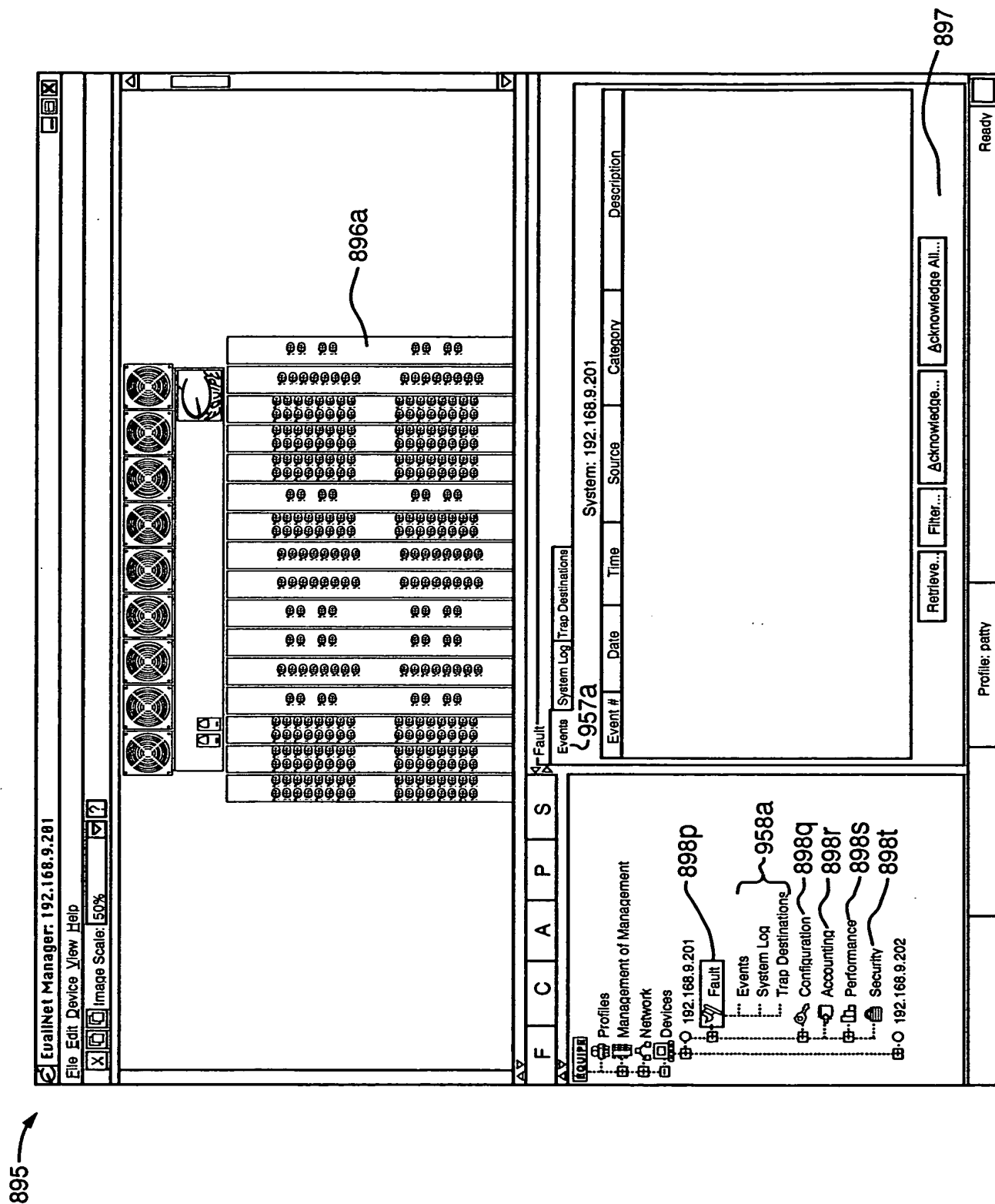
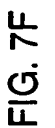


FIG. 7E



895

895

EqulNet Manager: 192.168.9.201

File Edit Device View Help

Image Scale: 50%

896a

Fault

System Log

Trap Destinations

957C

System: 192.168.9.201

System	Port	Status
158.23.22.1	162	Enabled
162.77.22.2	162	Disabled
144.55.2.22	1500	Enabled

Add... Delete... Refresh

Ready

F

C

A

P

S

Equip

Profiles

Management of Management

Network

Devices

192.168.9.201

Fault

898p

Events

System Log

Trap Destinations

958a

Configuration

898q

Accounting

898r

Performance

898S

Security

898t

192.168.9.202

897

FIG. 7G

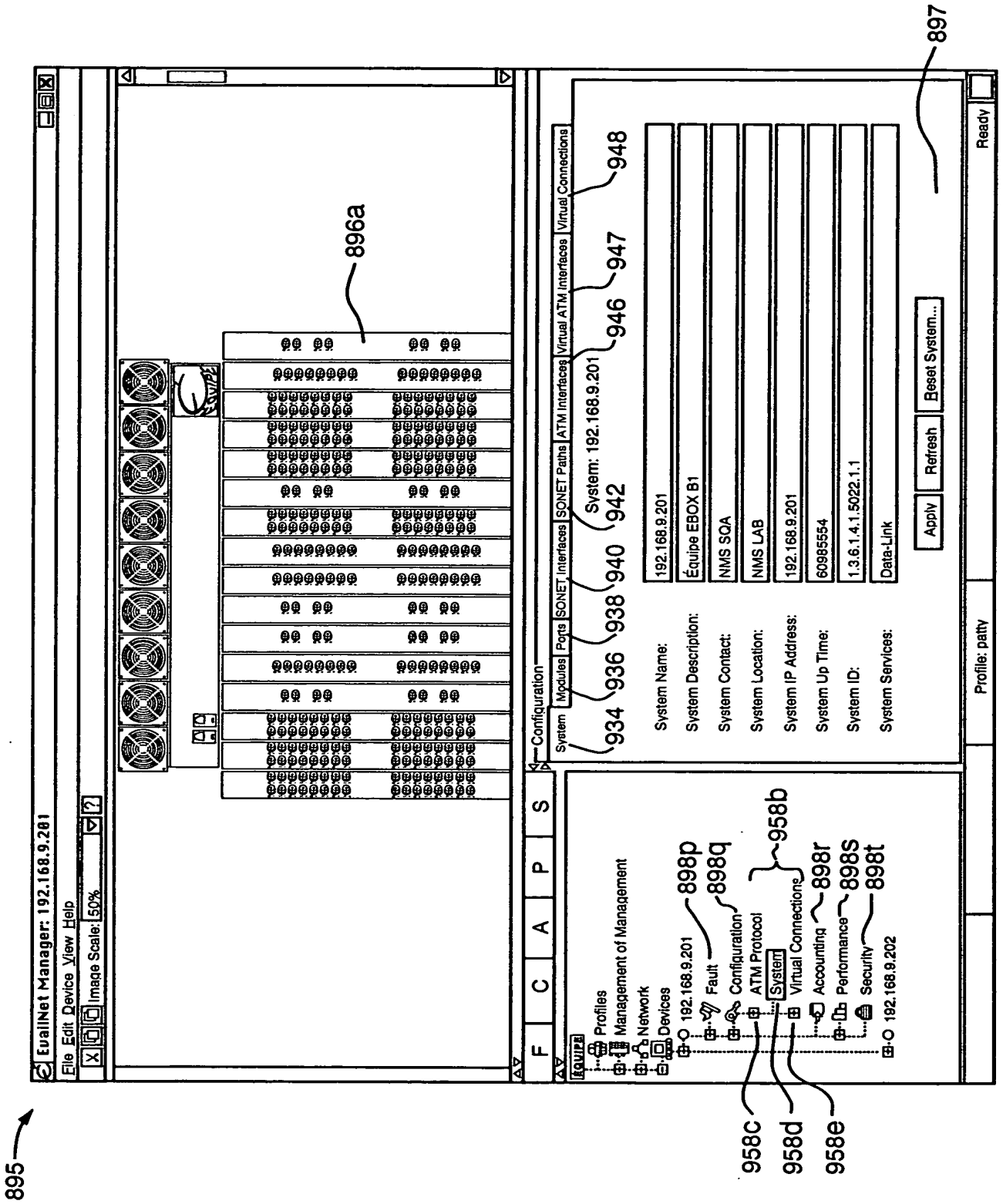


FIG. 7H

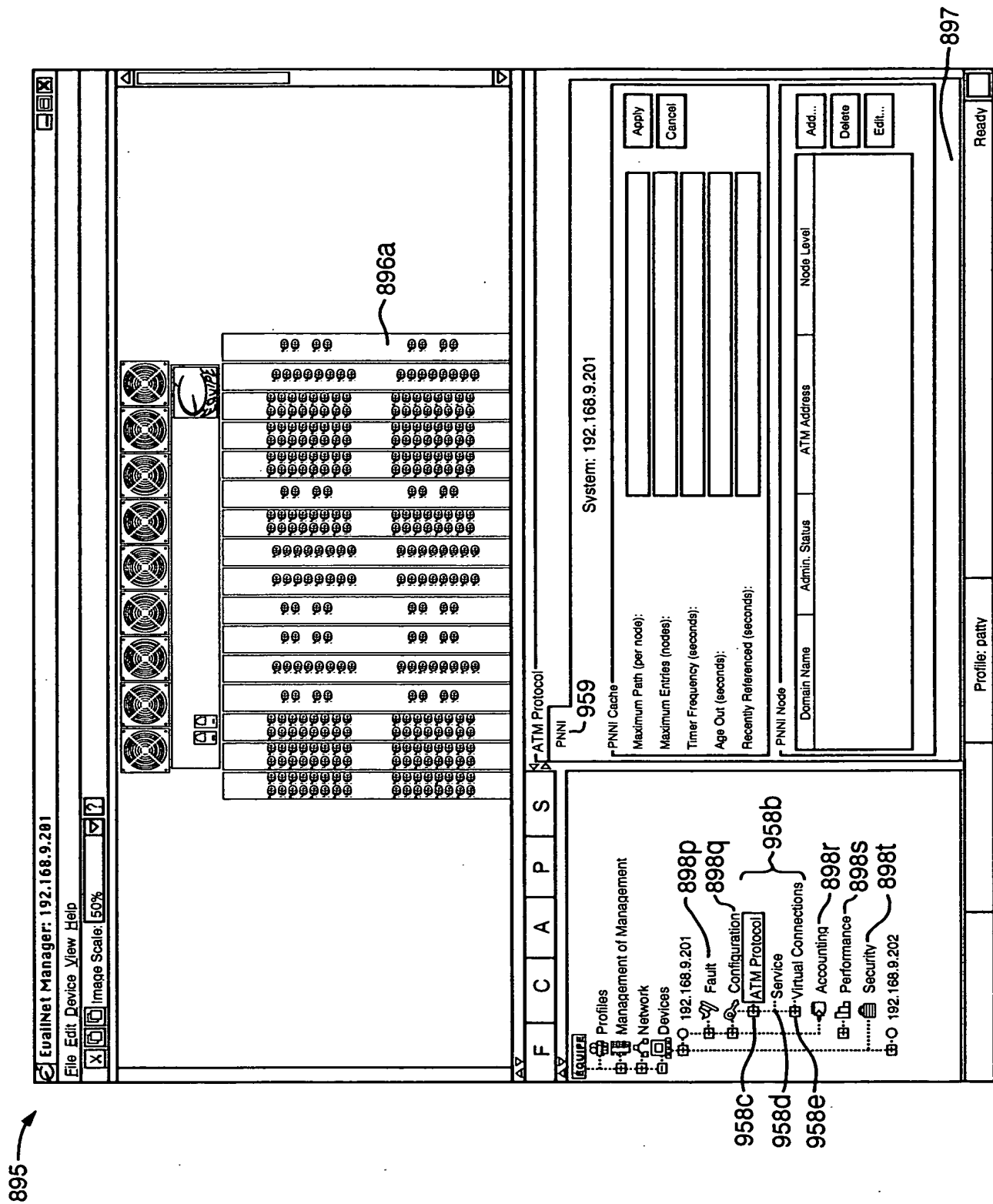


FIG. 71

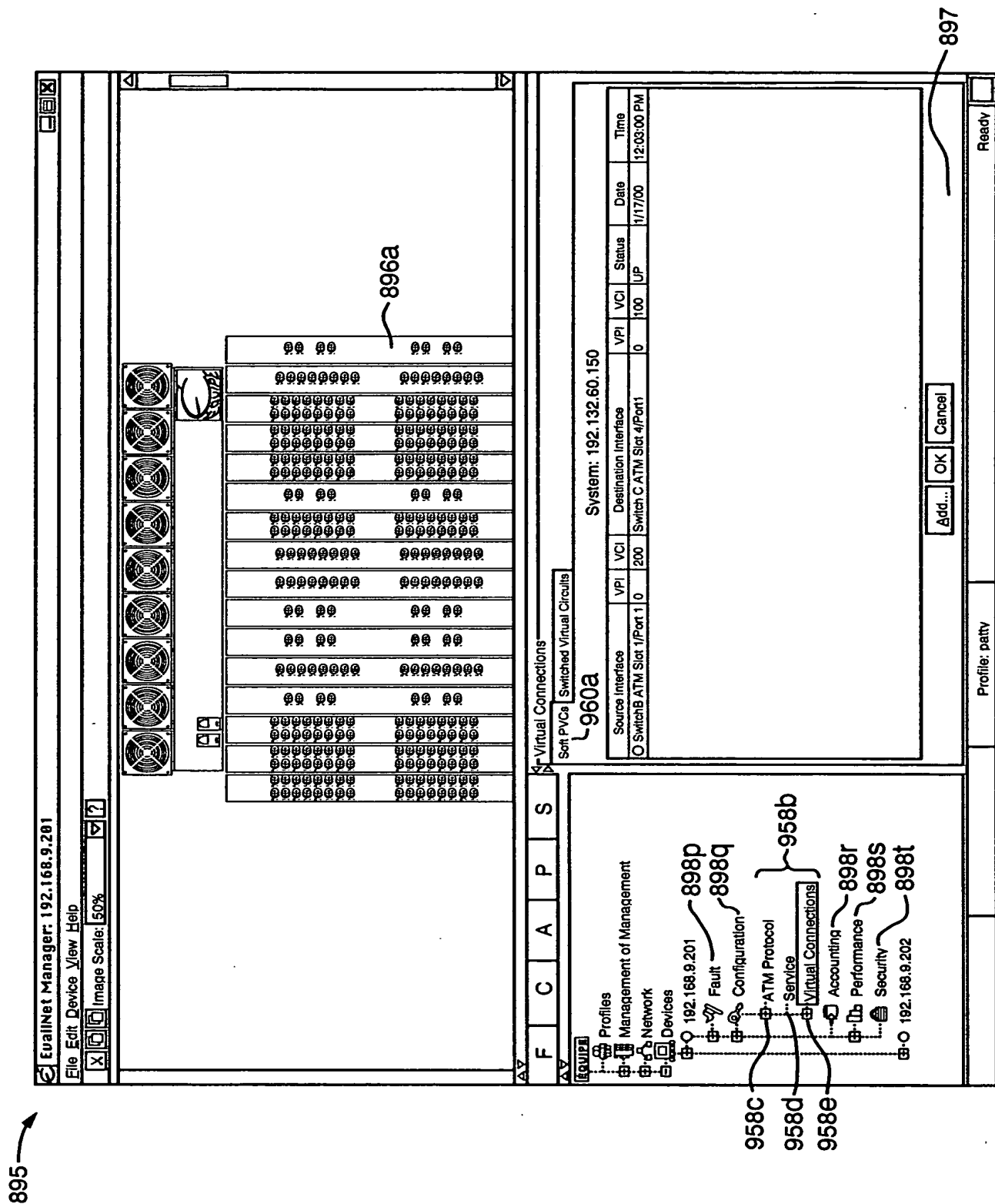


FIG. 7J

895

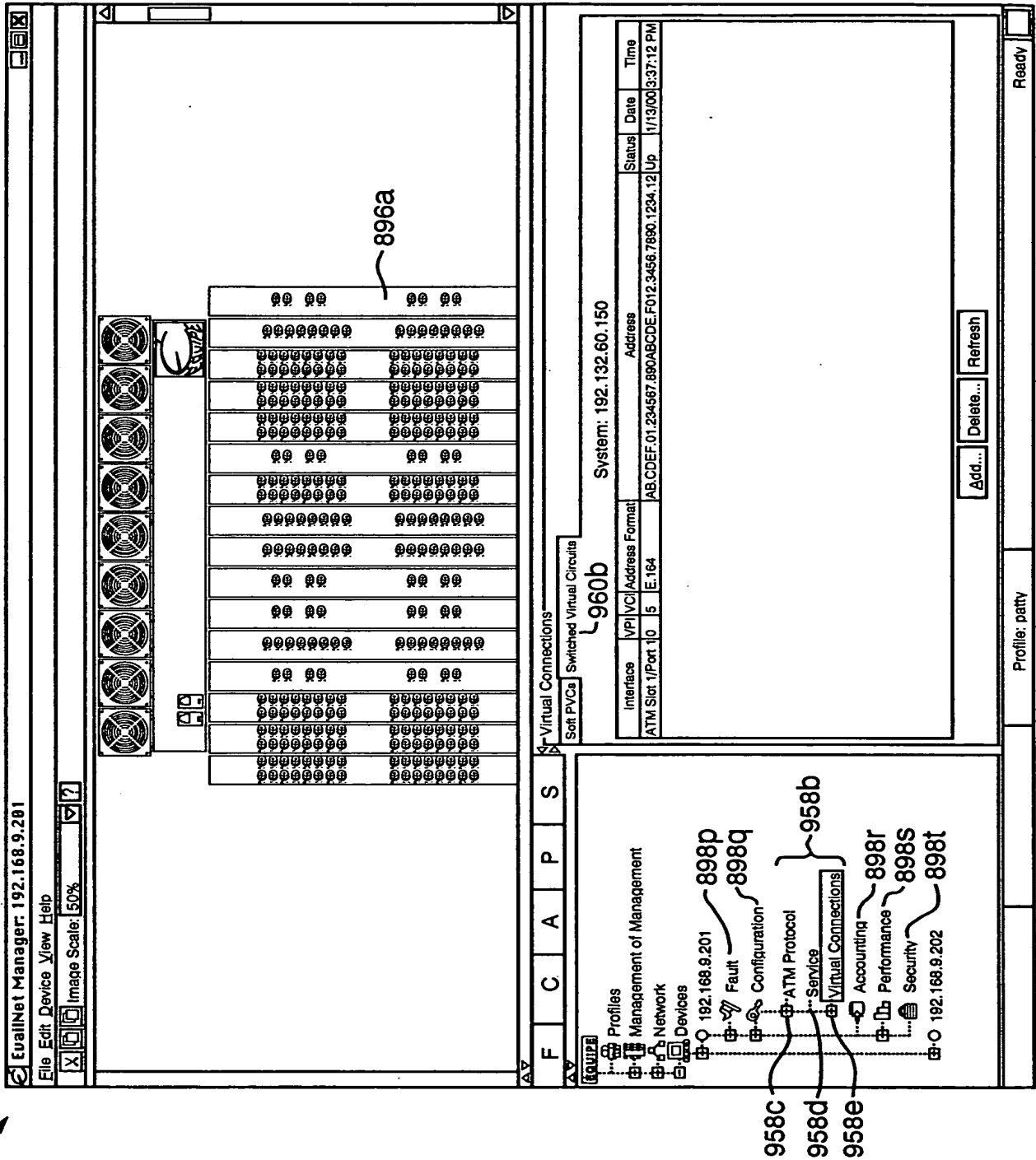


FIG. 7K

FIG. 7L

895

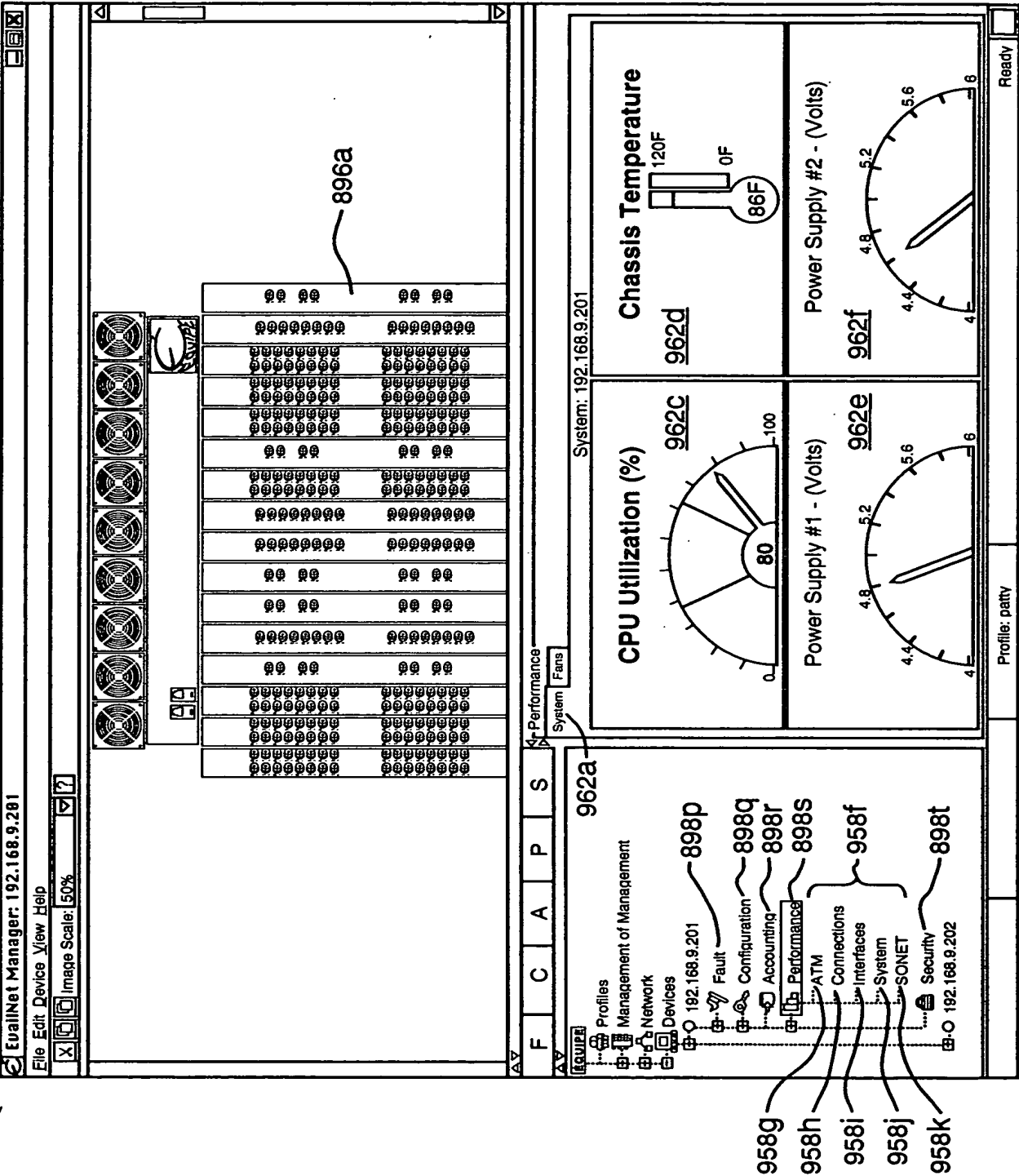


FIG. 7M

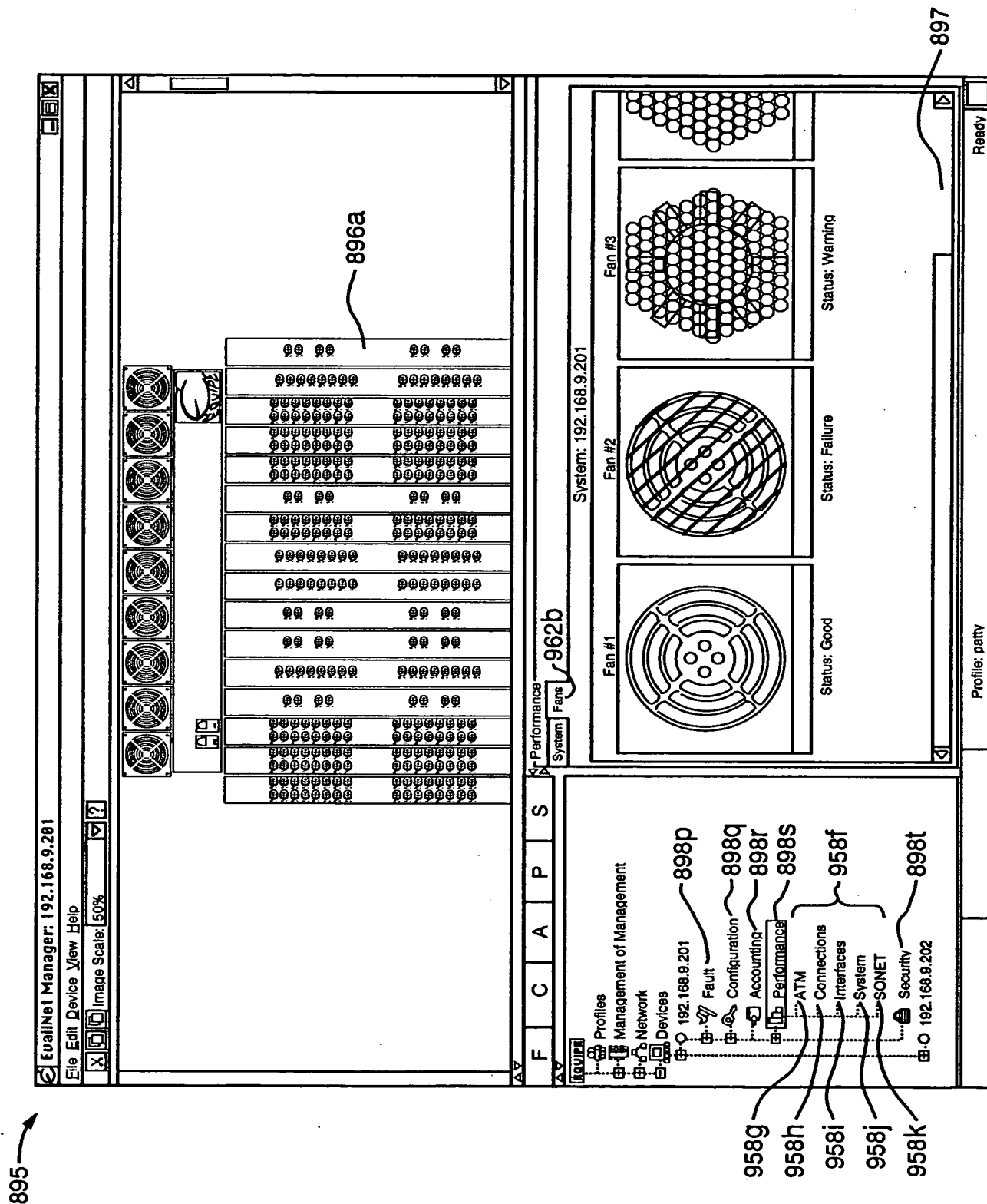


FIG. 7N

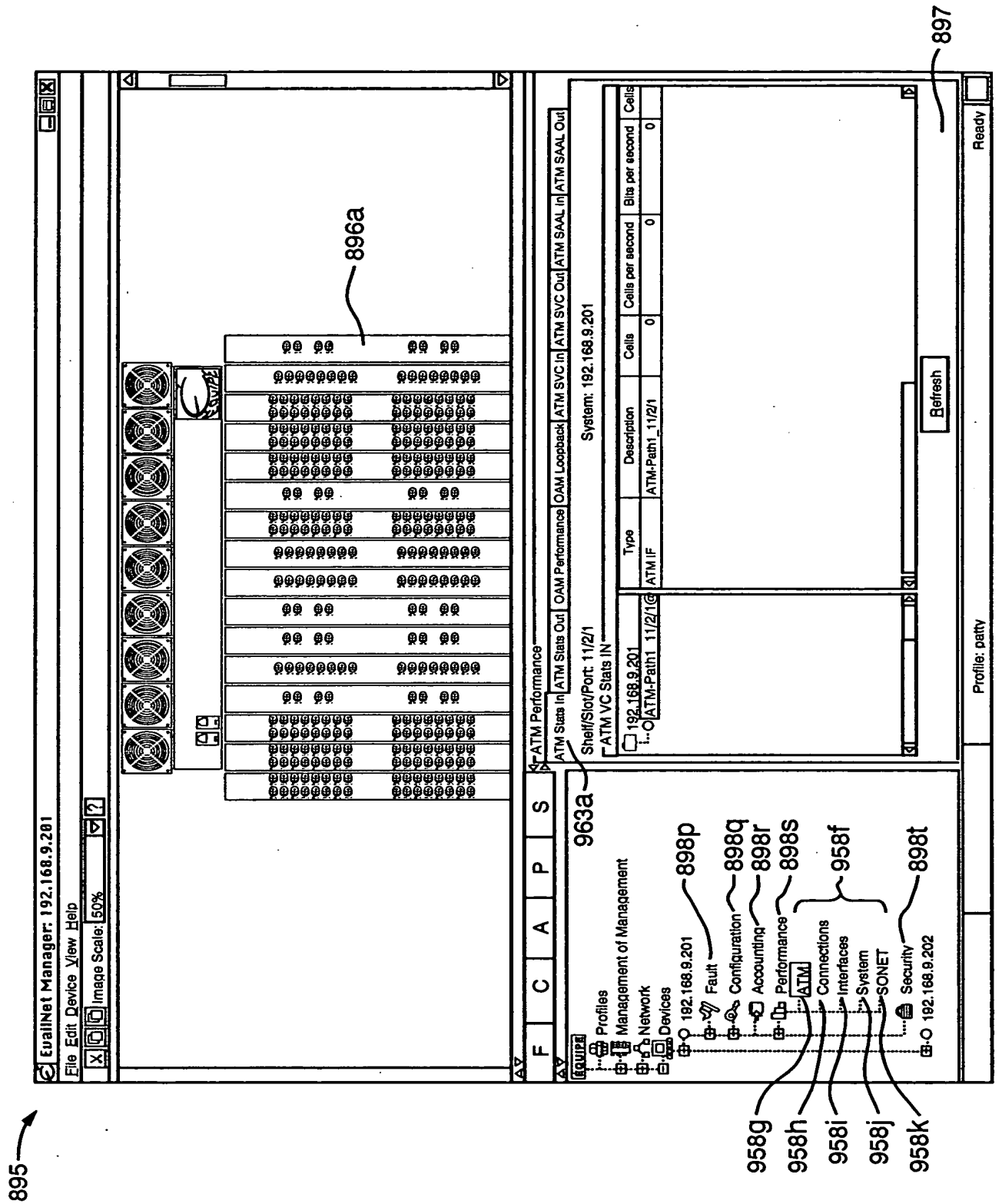


FIG. 70

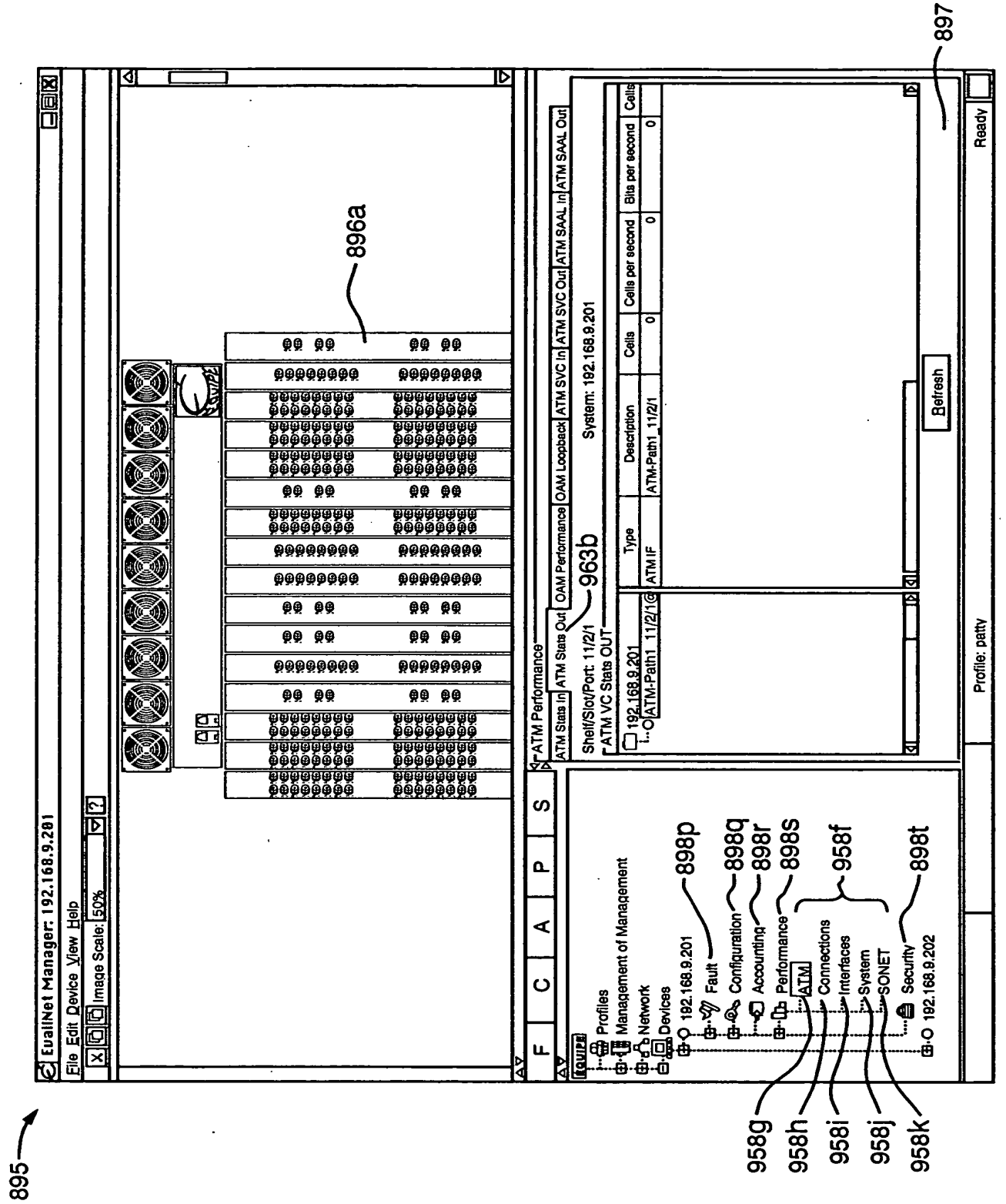


FIG. 7P

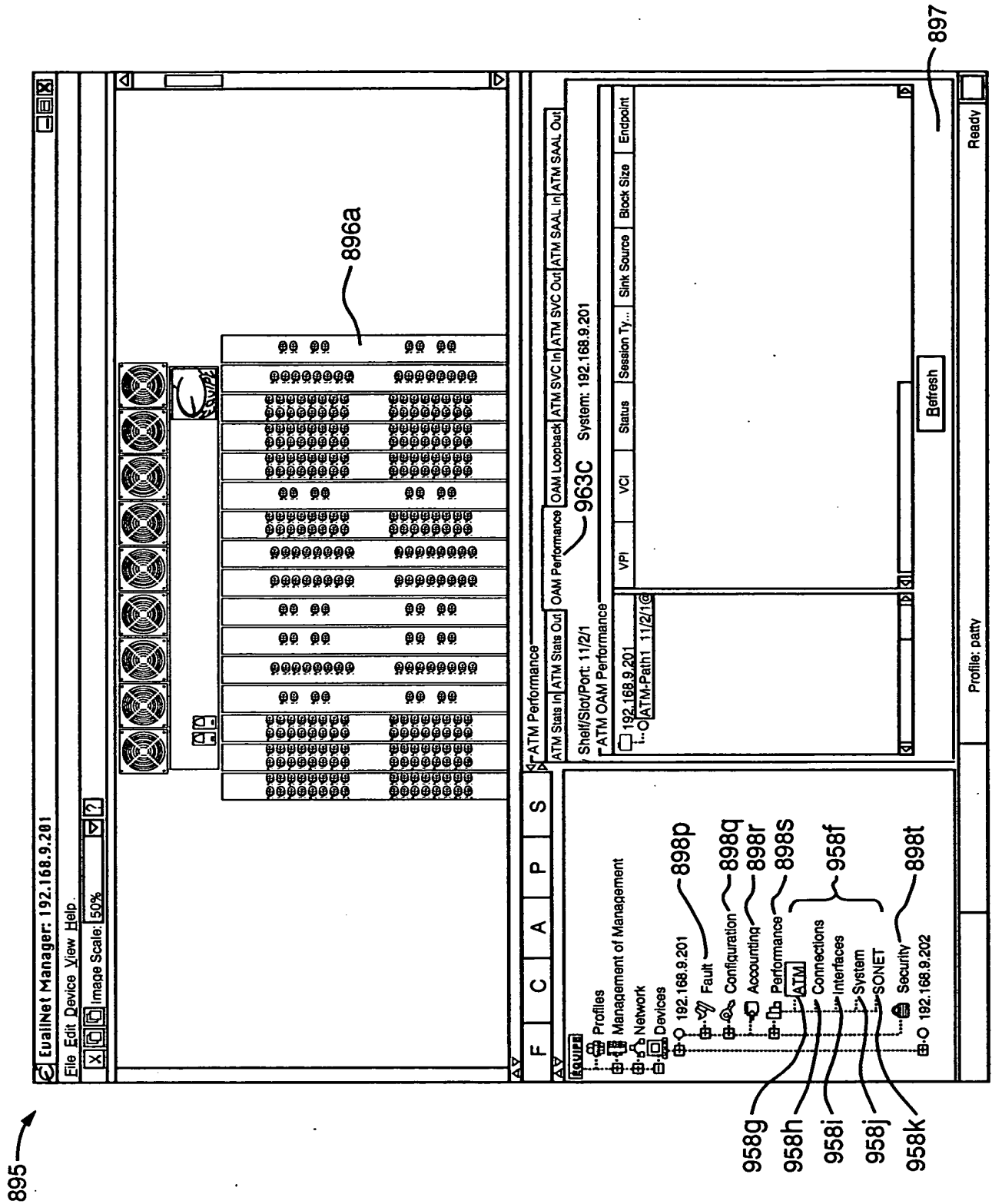


FIG. 7Q

895

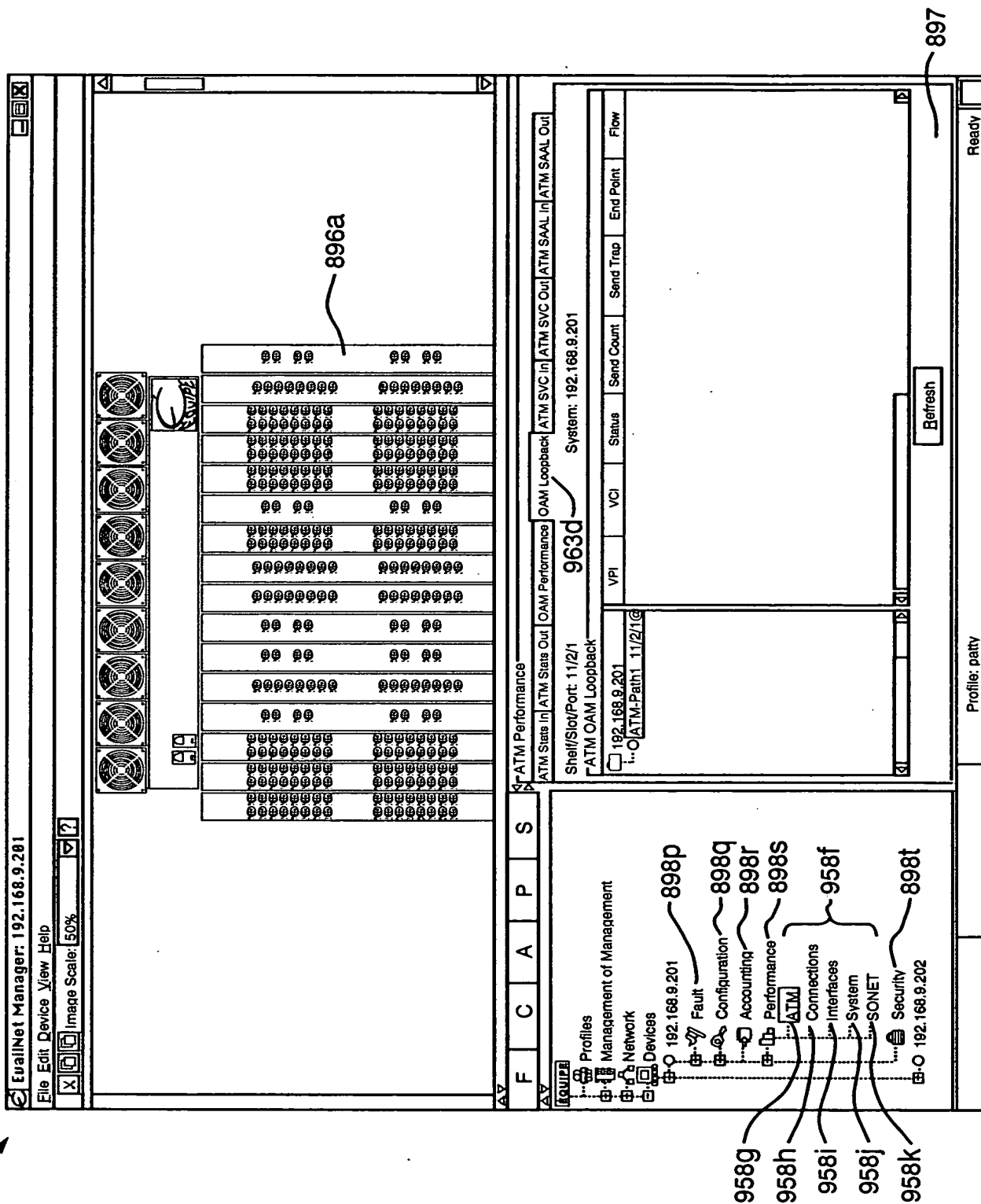


FIG. 7R

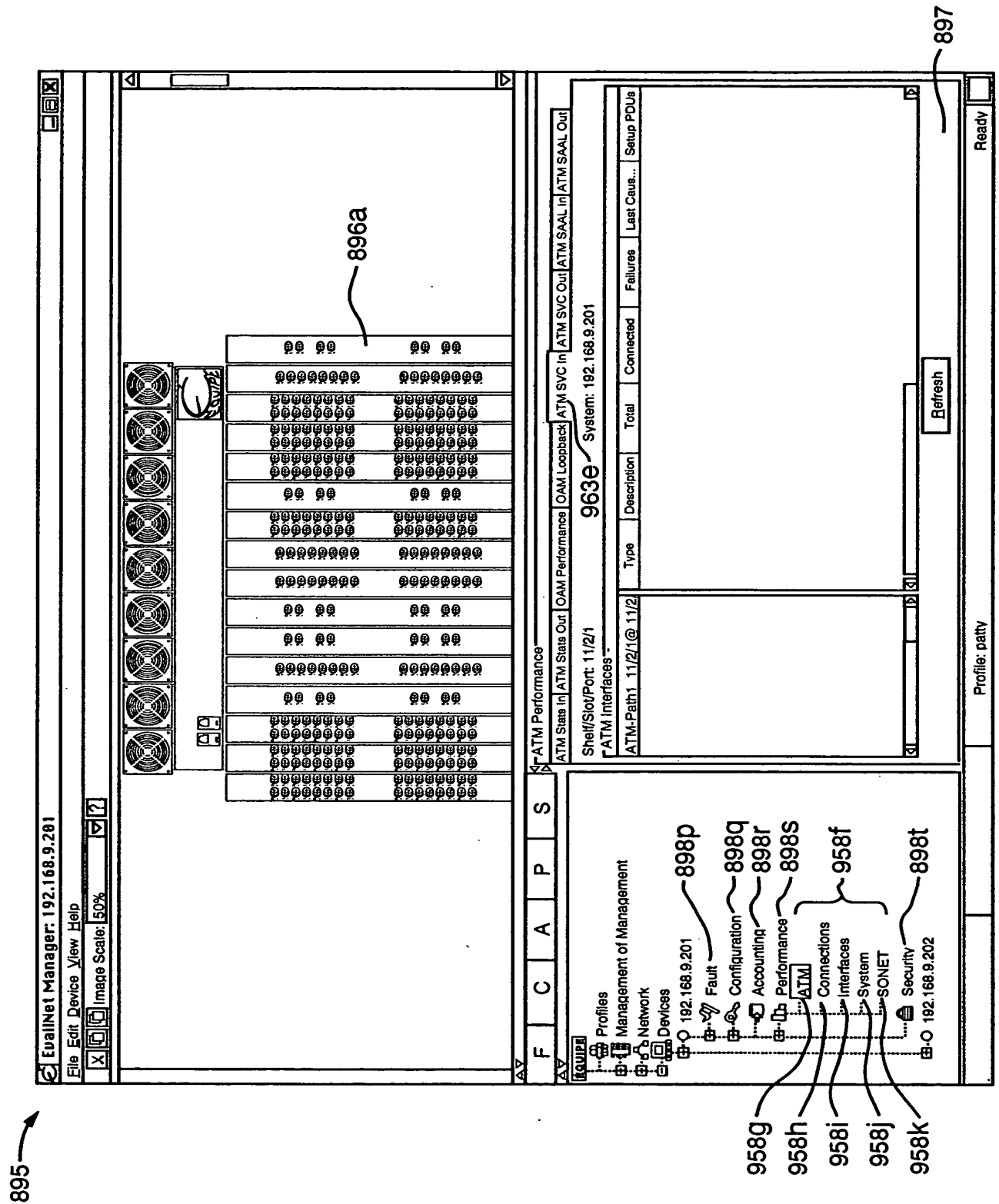


FIG. 7S

895

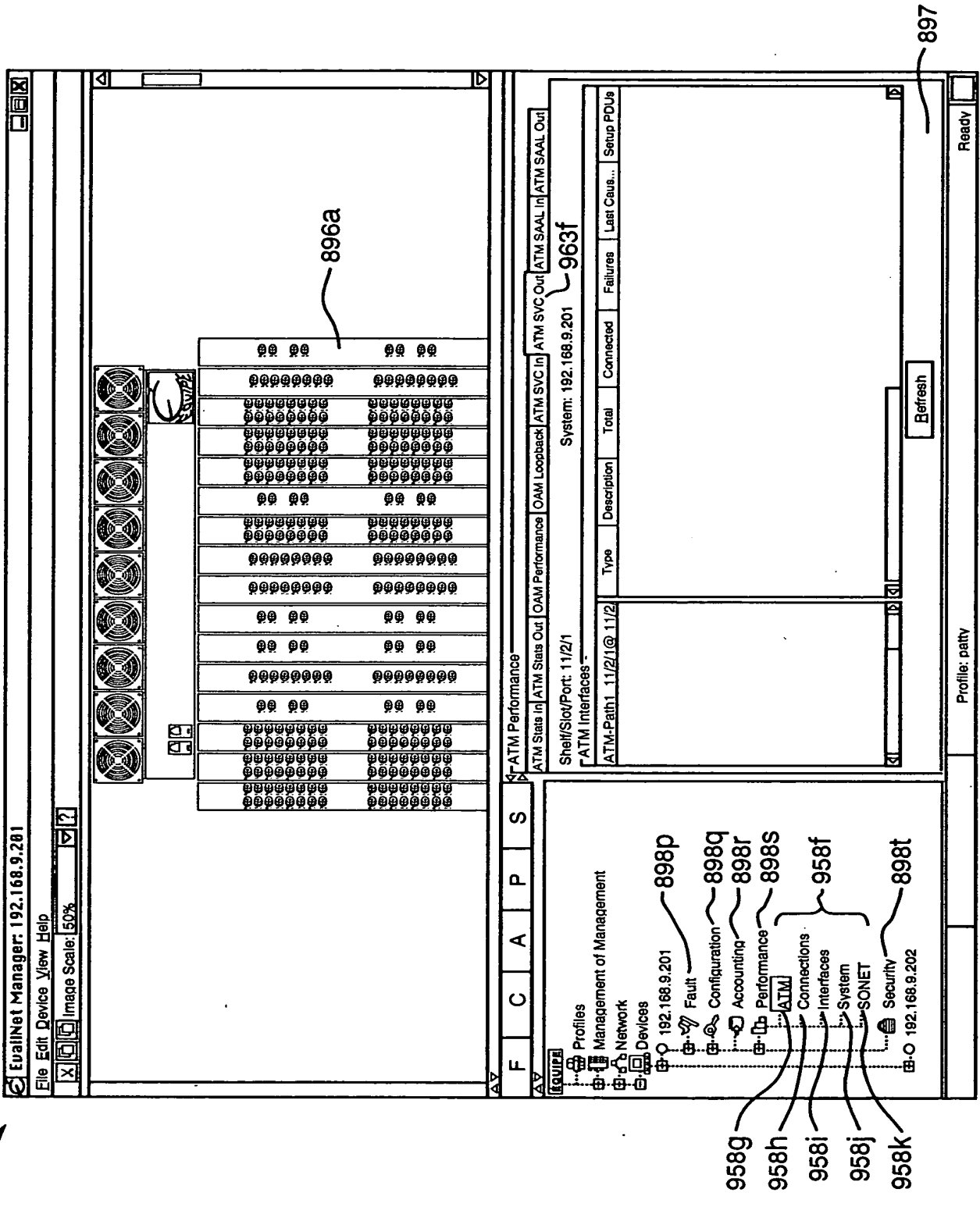


FIG. 7T

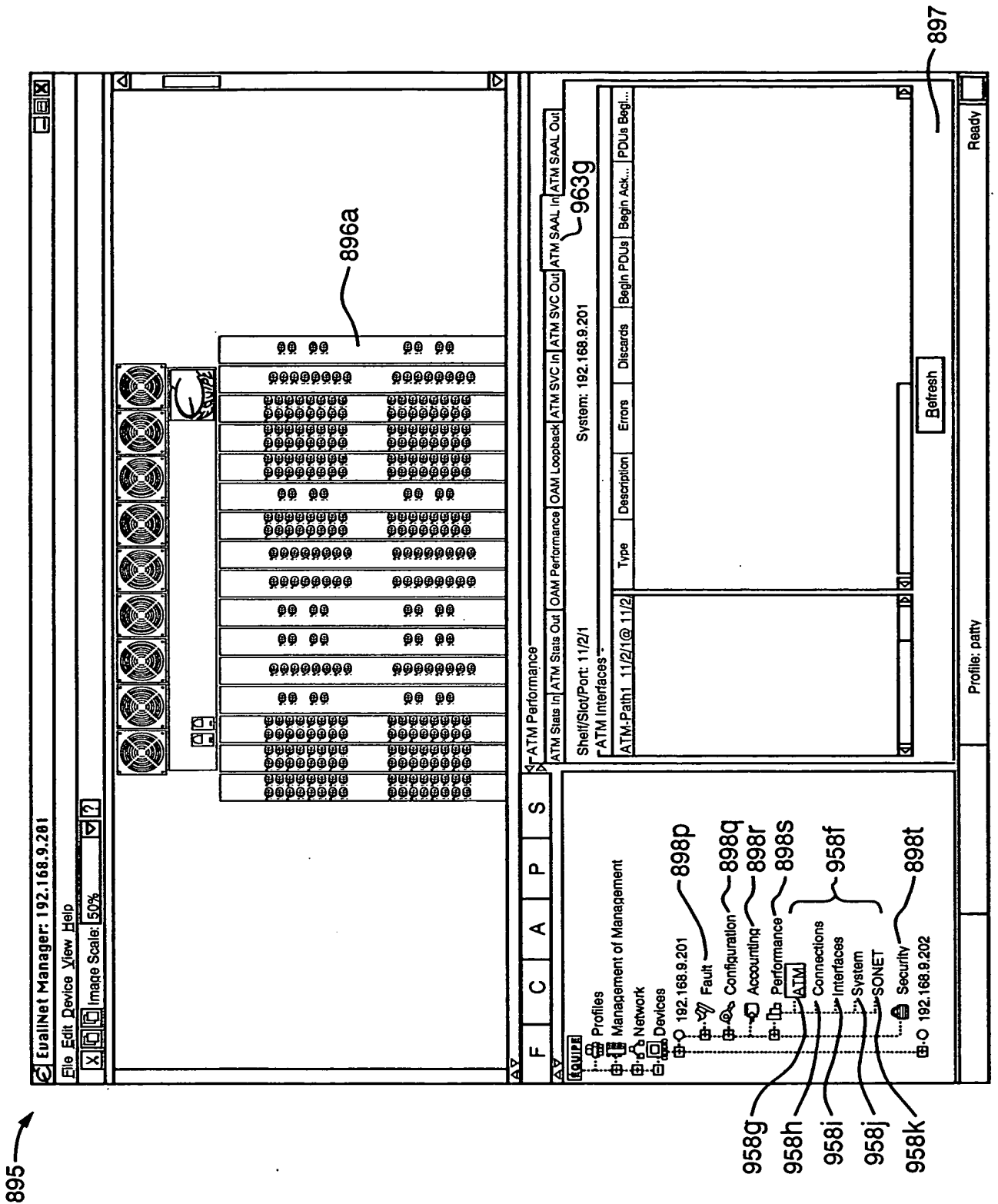


FIG. 7U

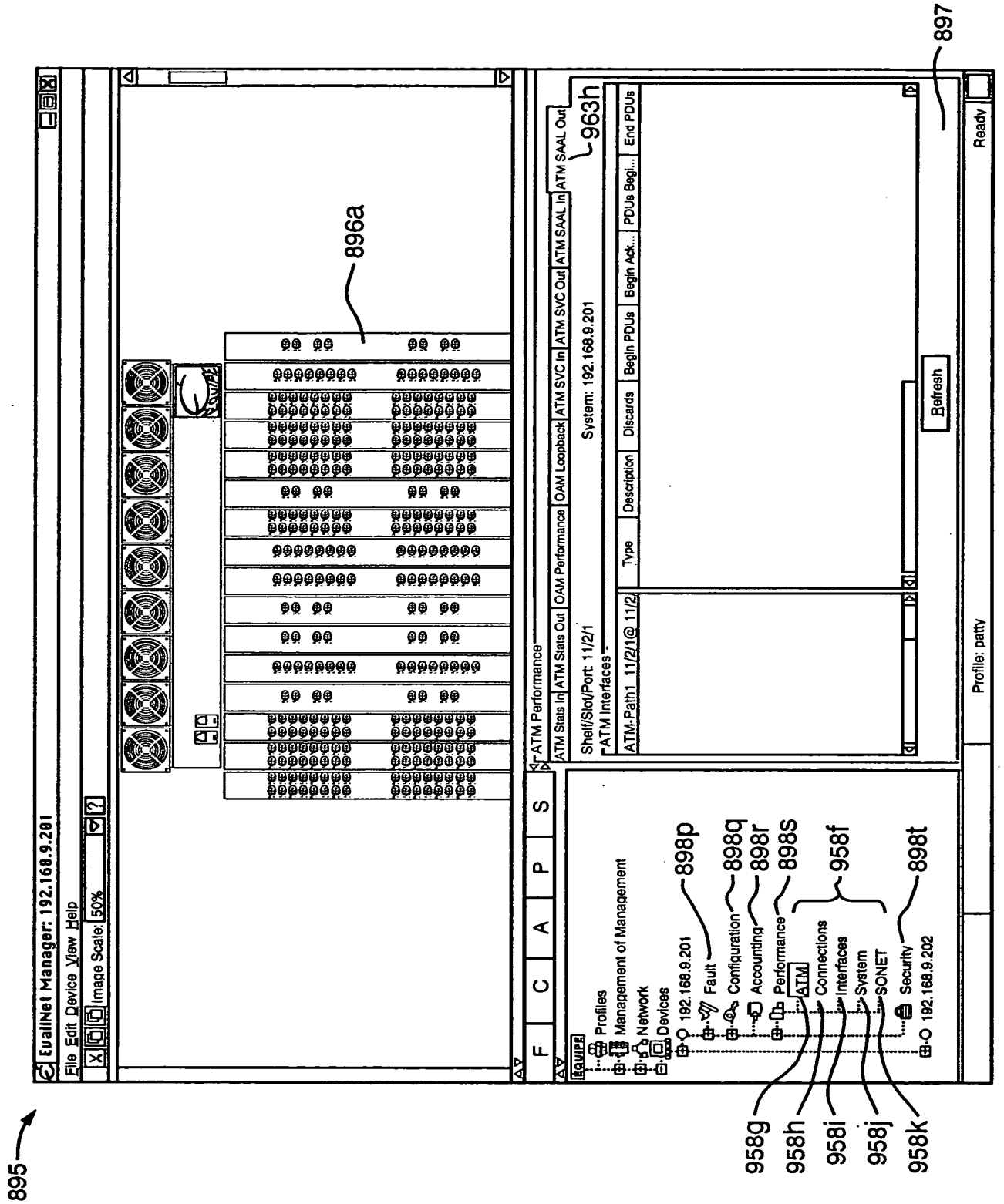


FIG. 7V

895

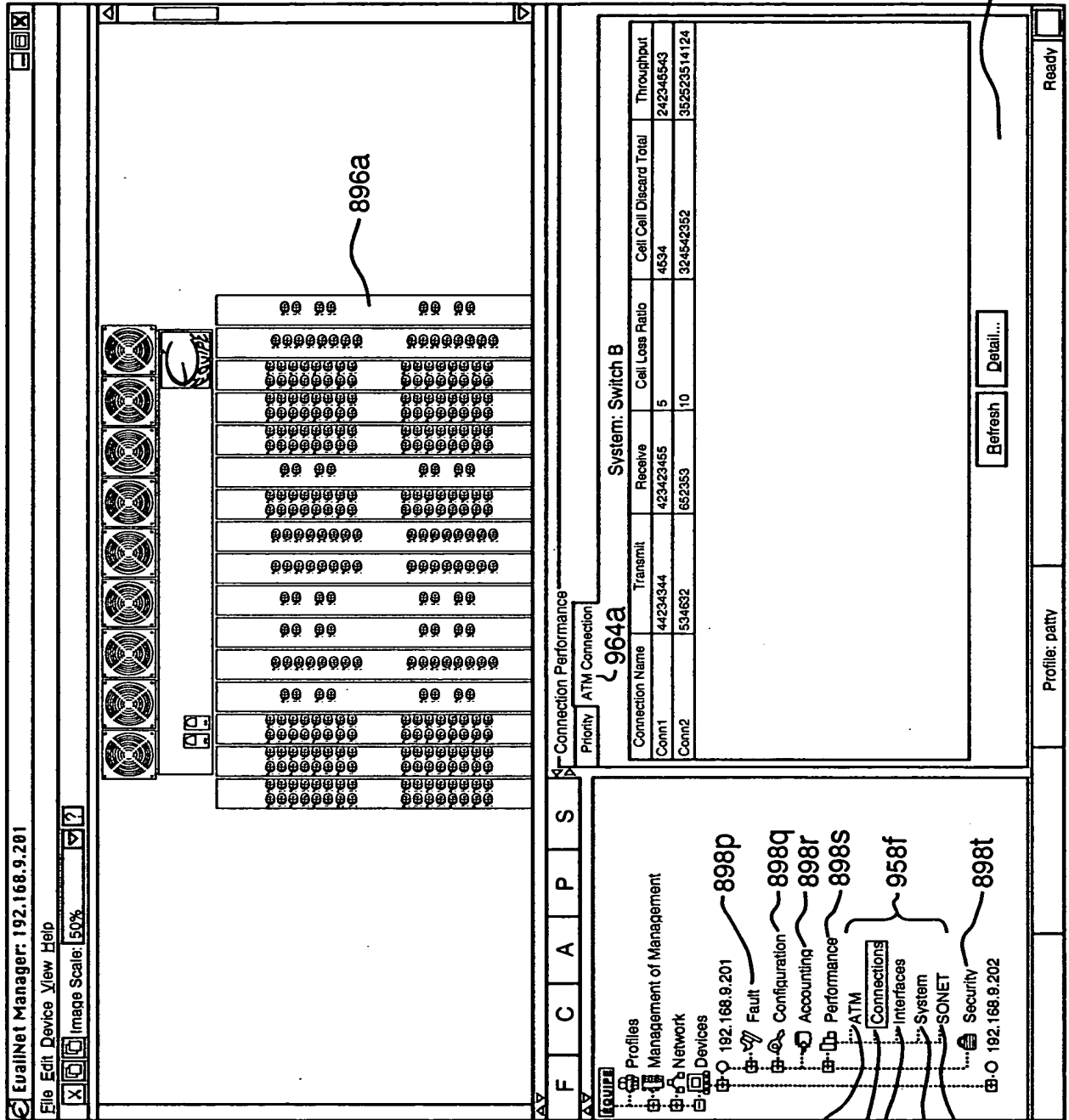


FIG. 7W

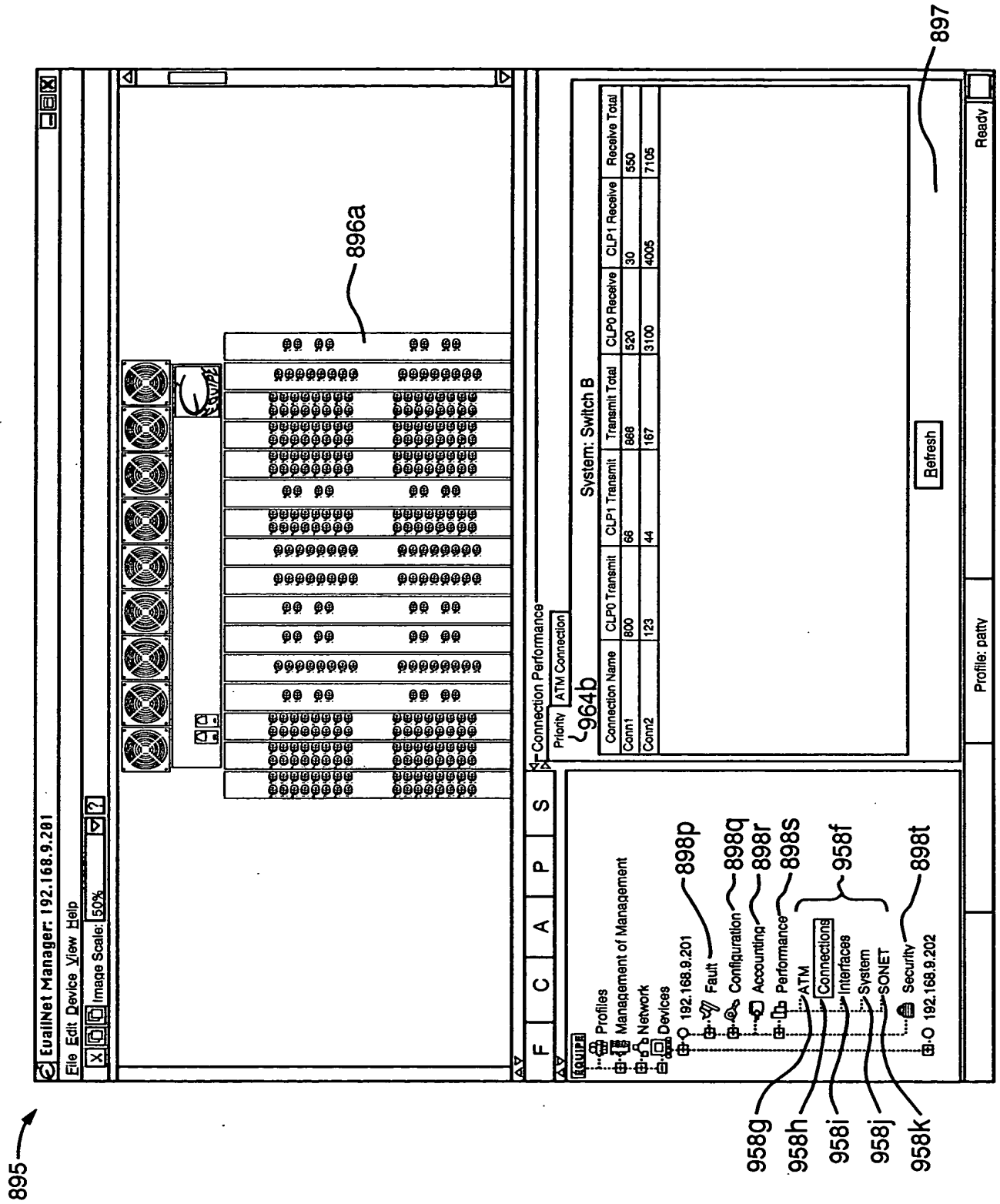


FIG. 7X

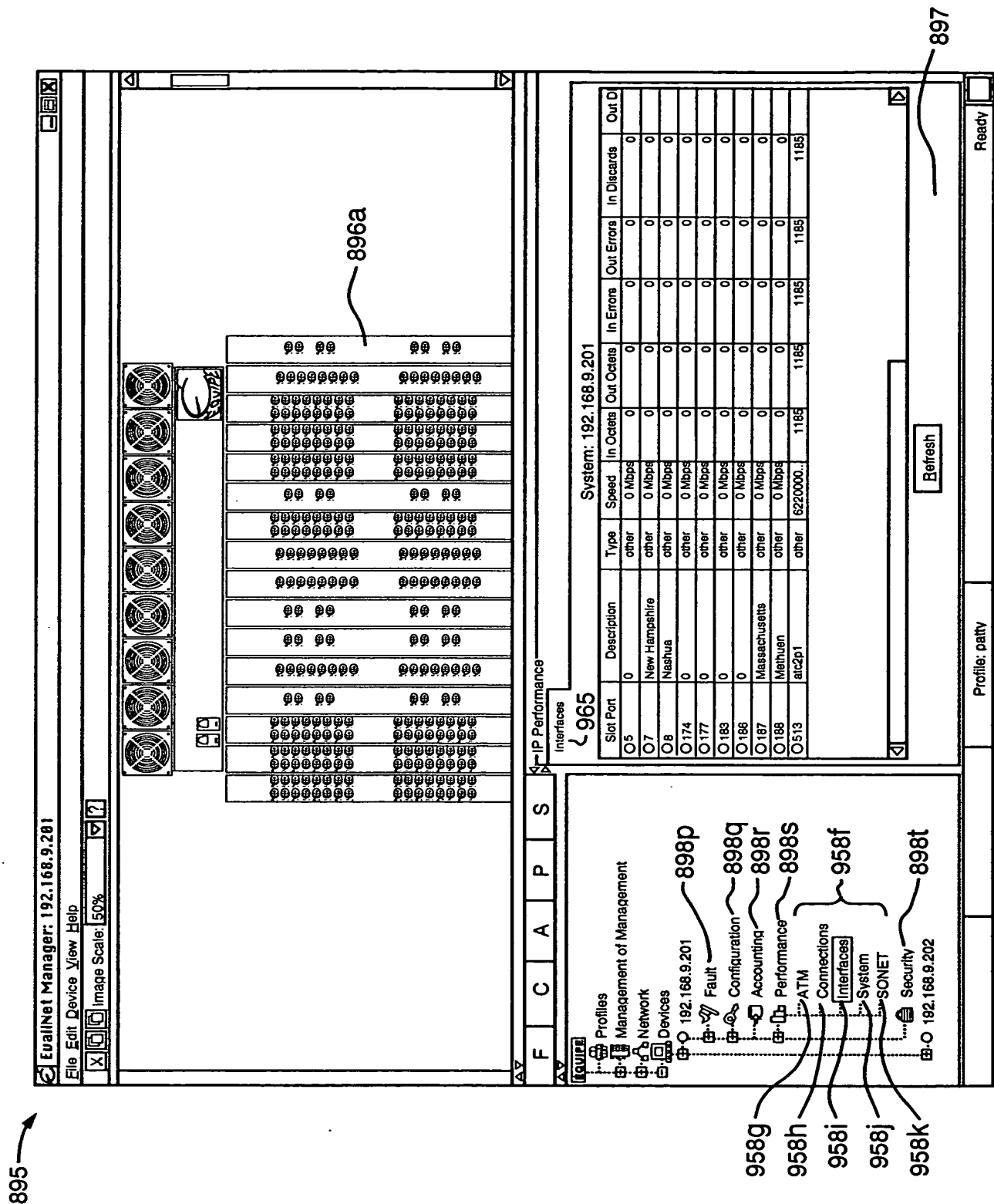


FIG. 7Y

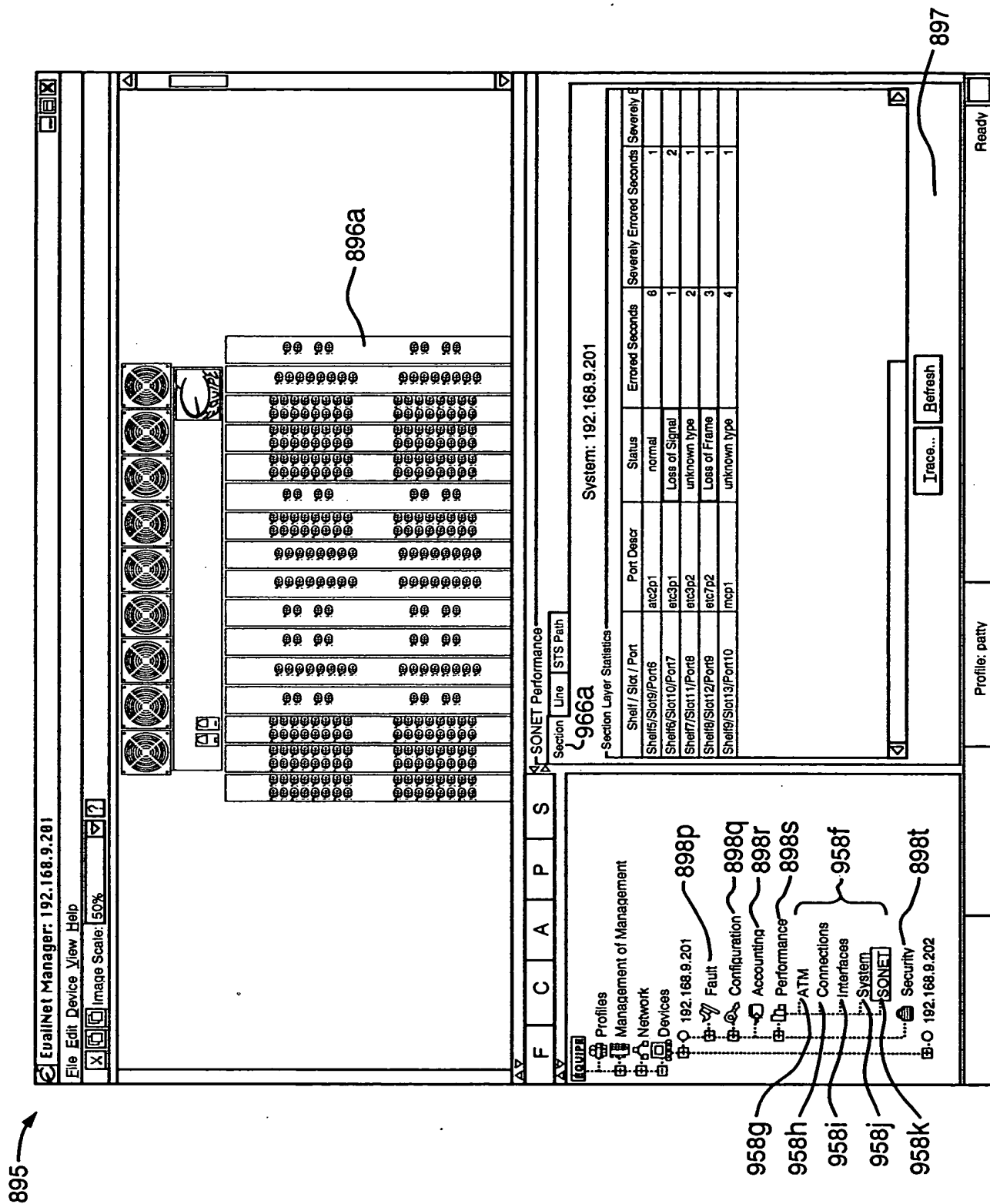


FIG. 8A

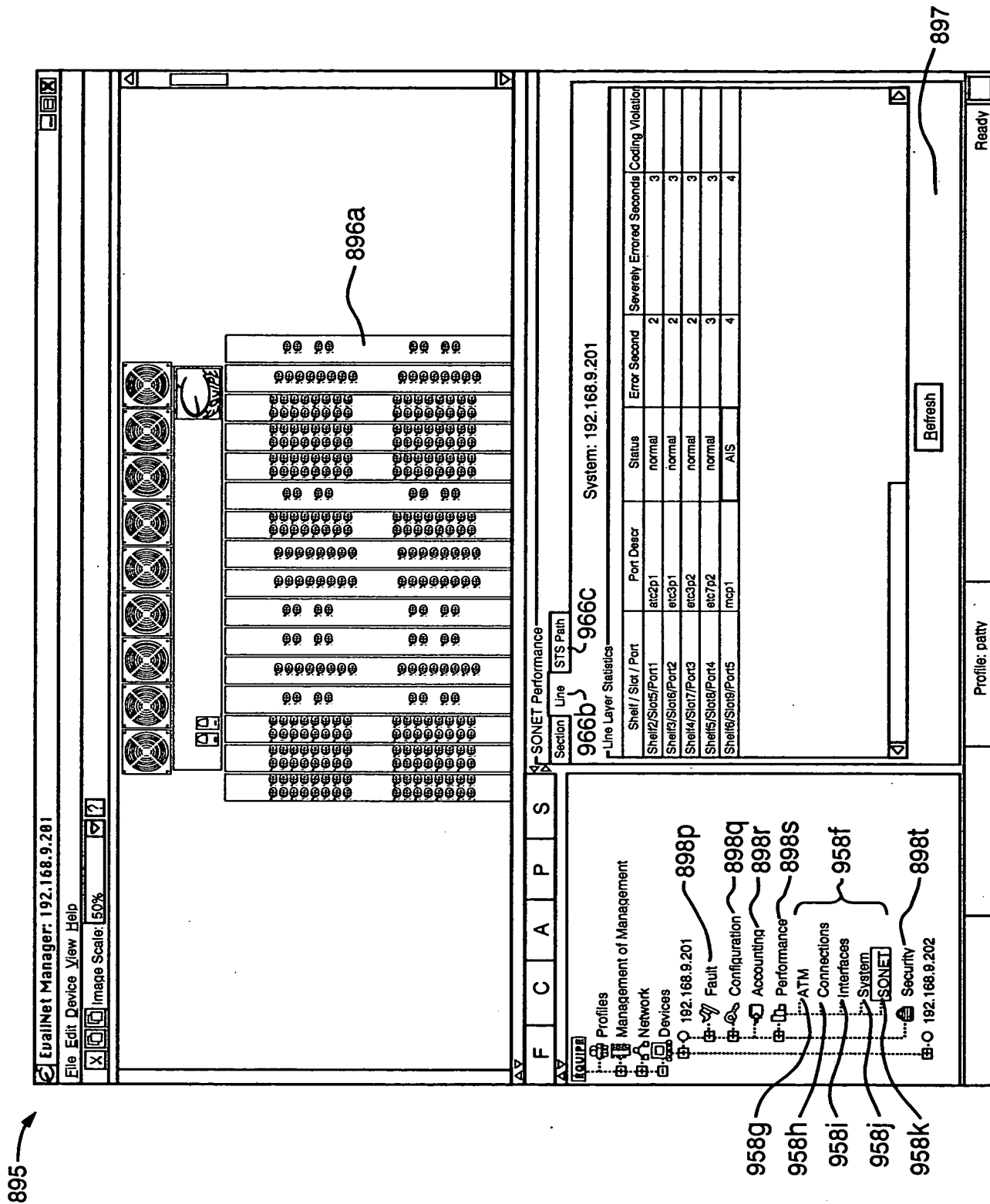


FIG. 8B

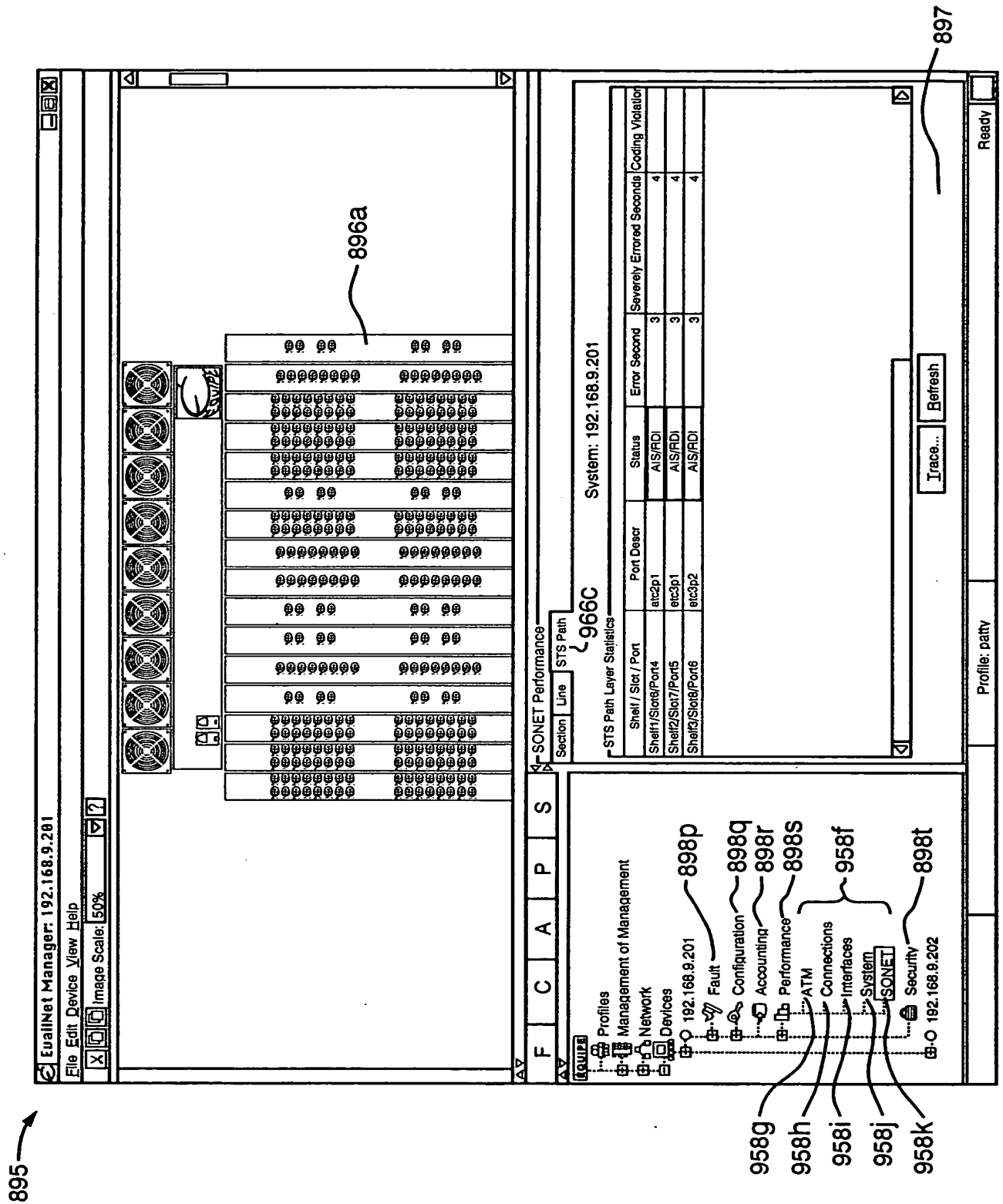


FIG. 8C

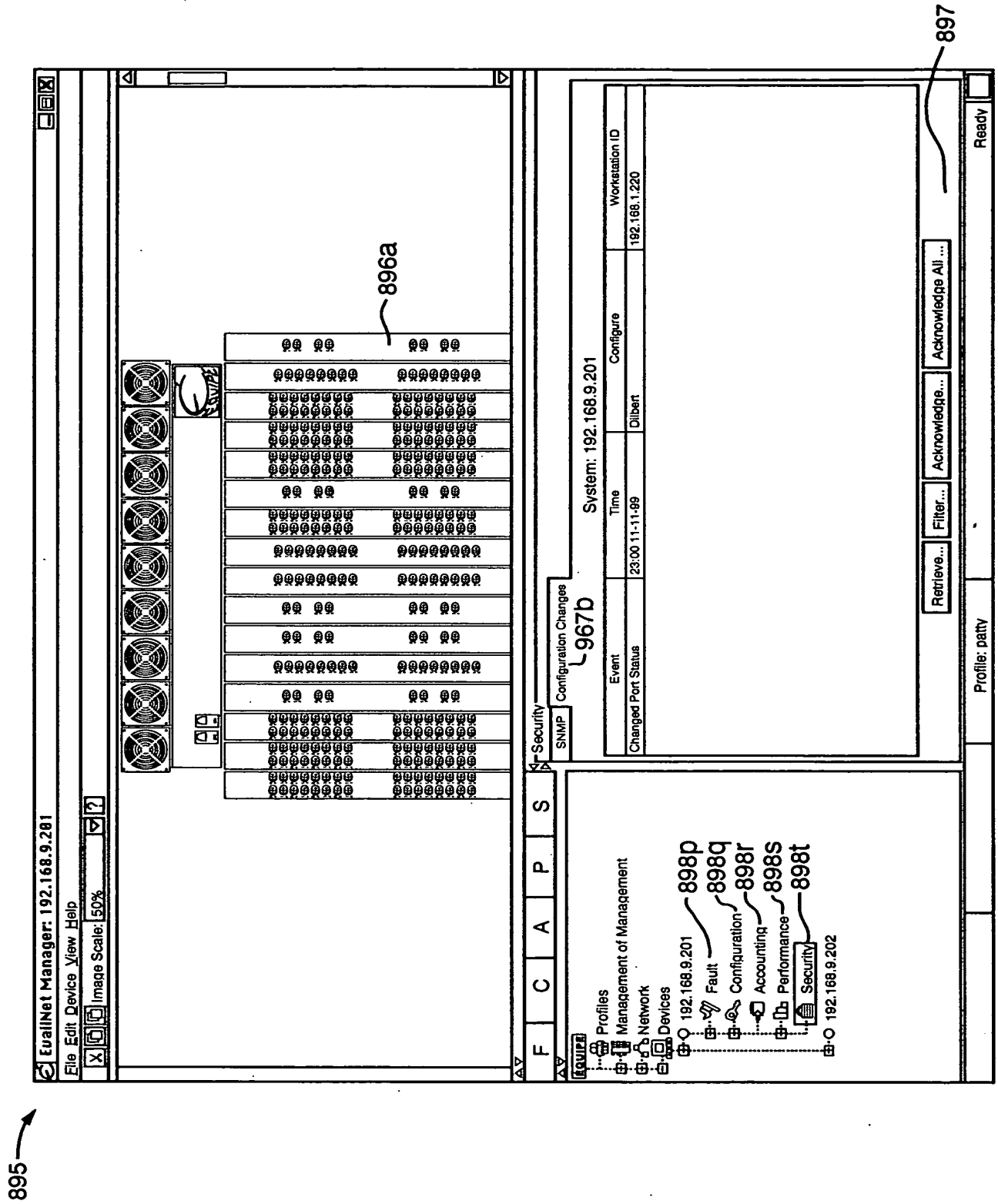


FIG. 8E

895

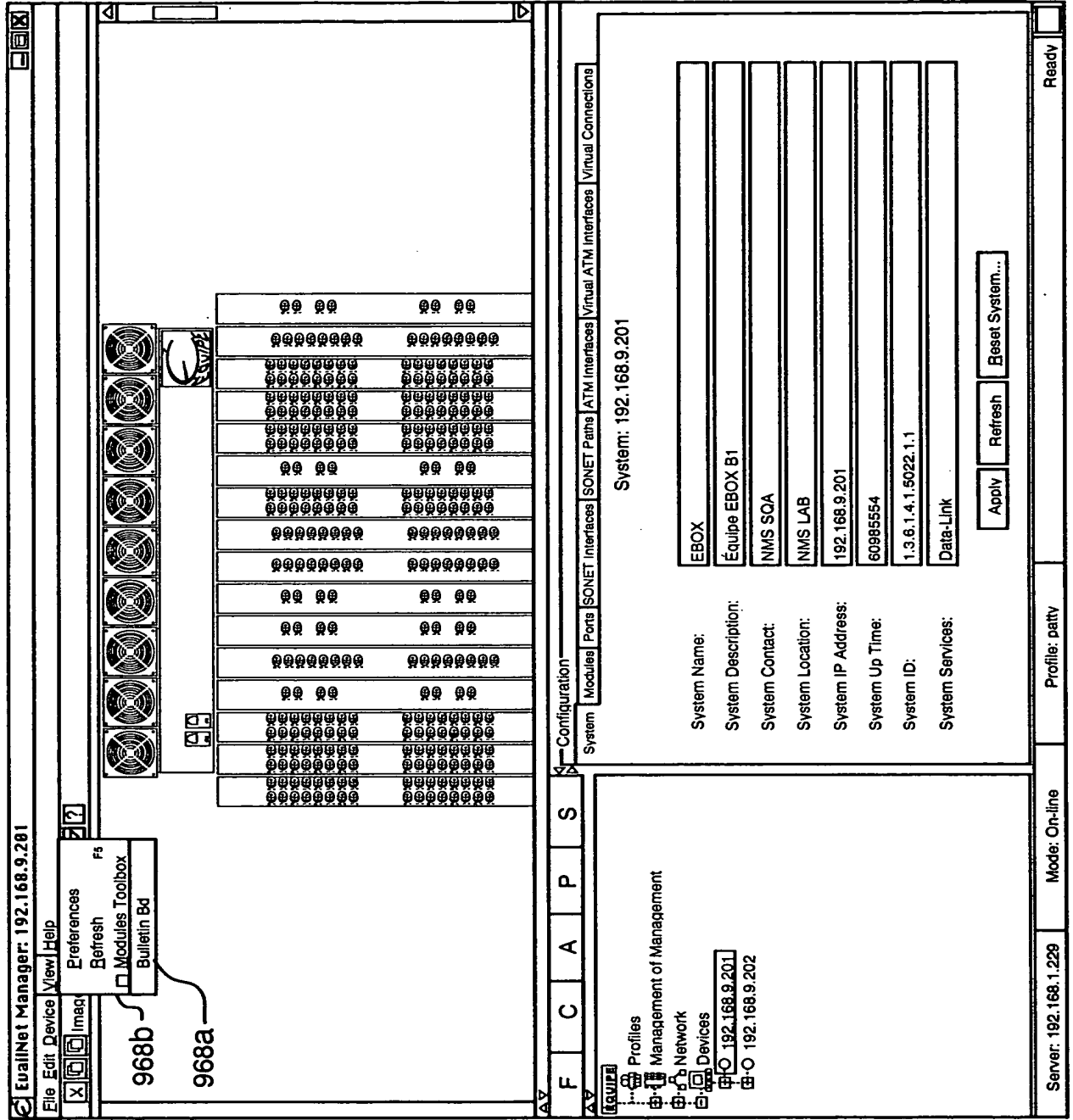


FIG. 9A

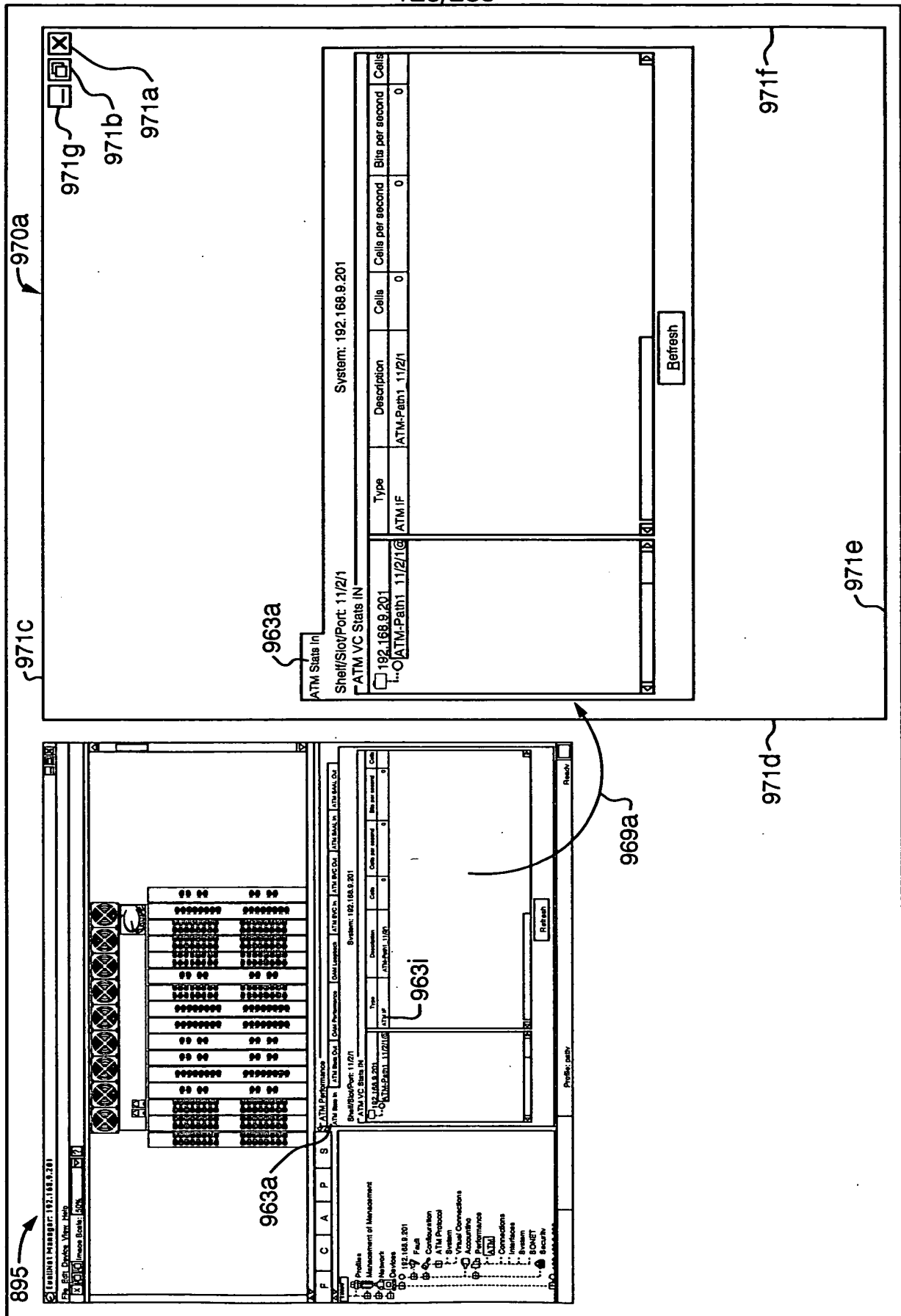


FIG. 9B

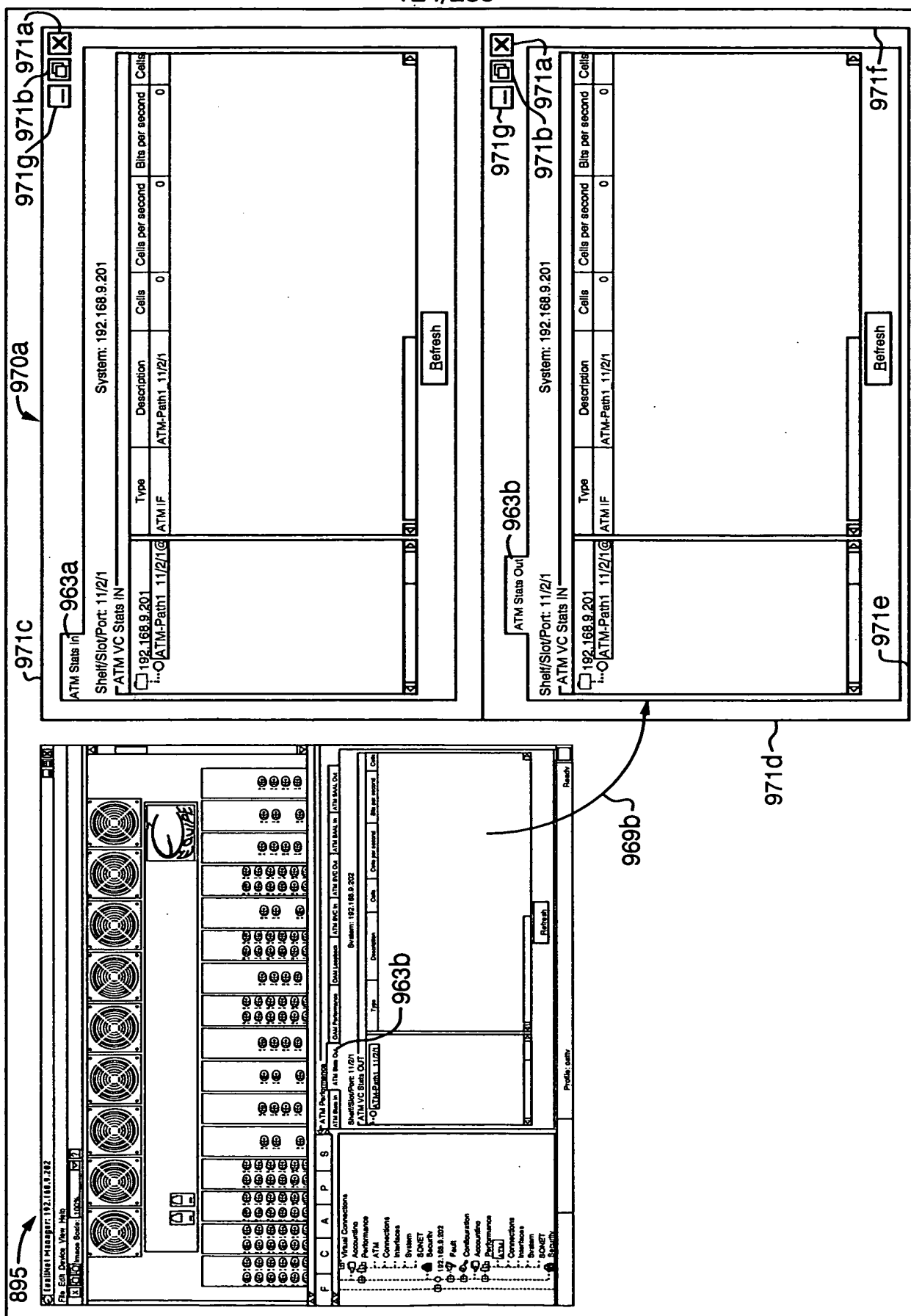


FIG. 9C

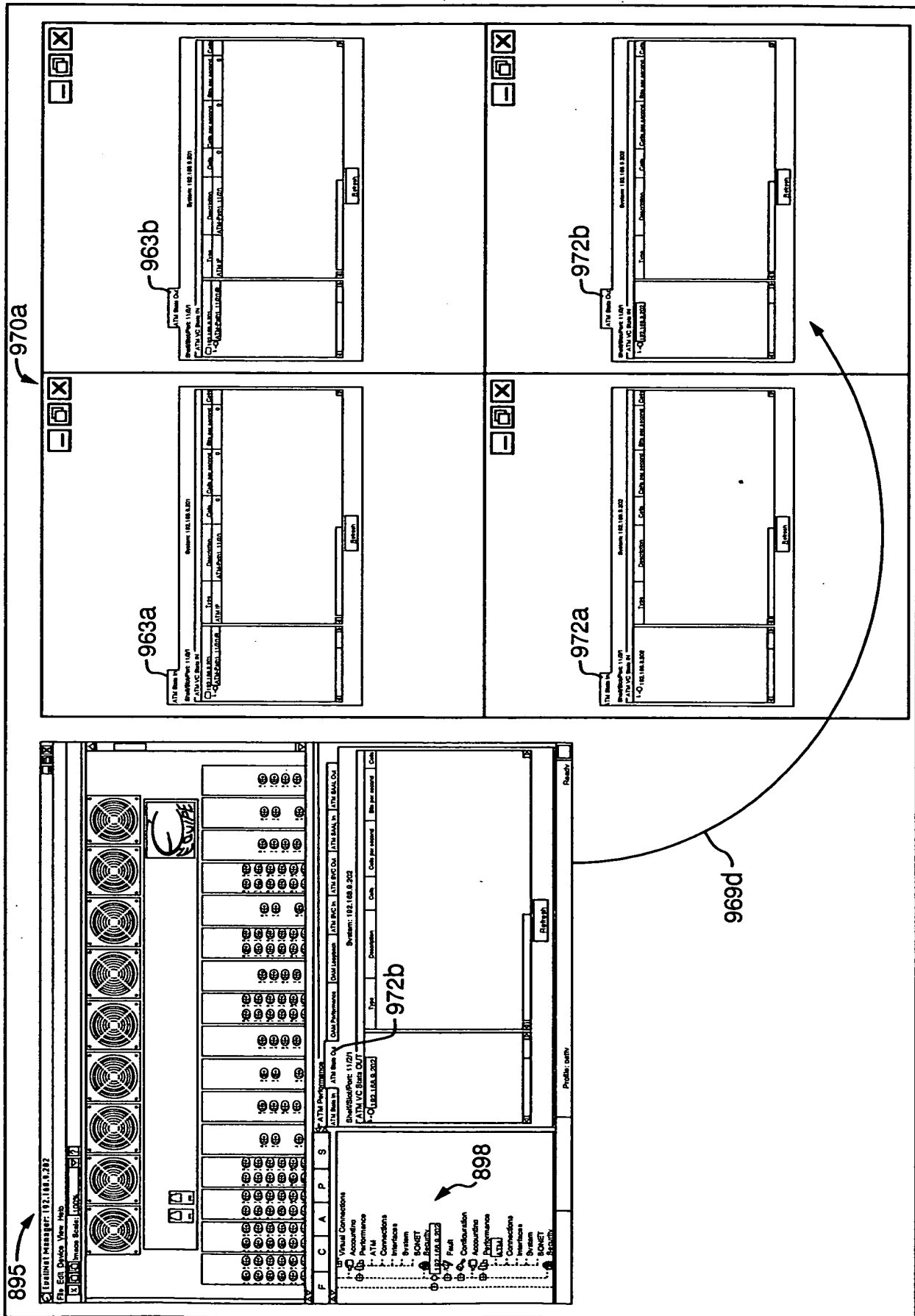
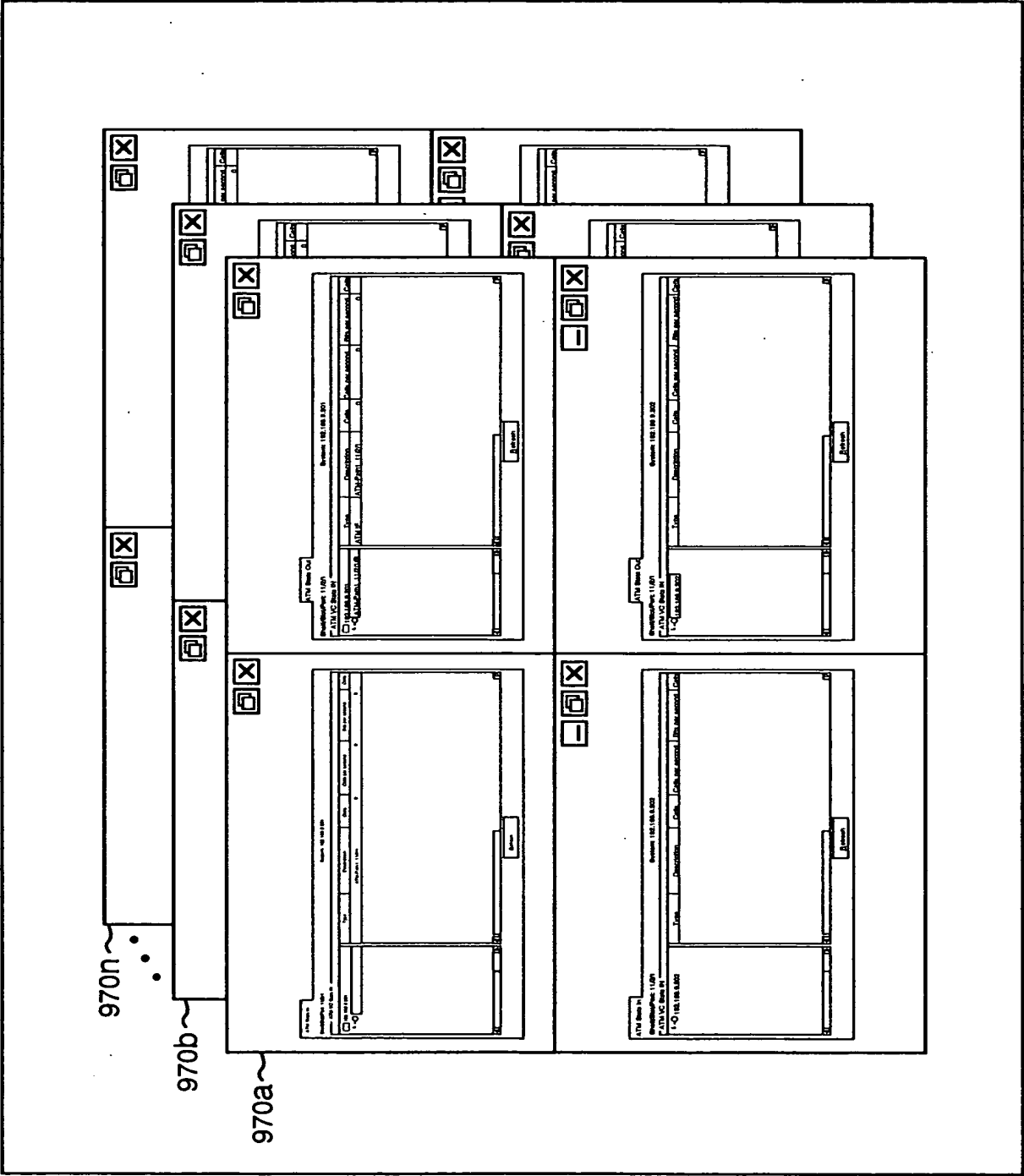


FIG. 9E



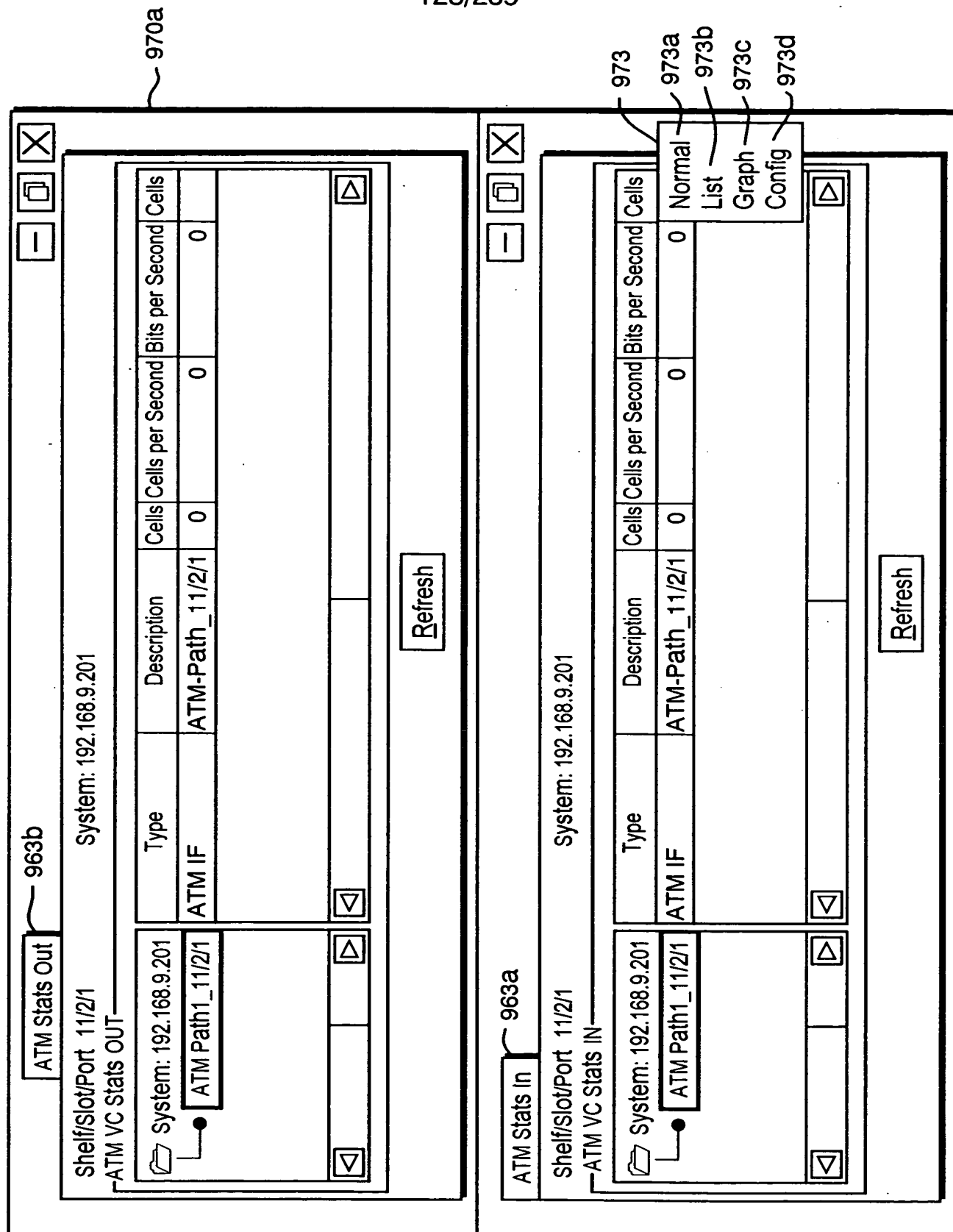


FIG. 9G

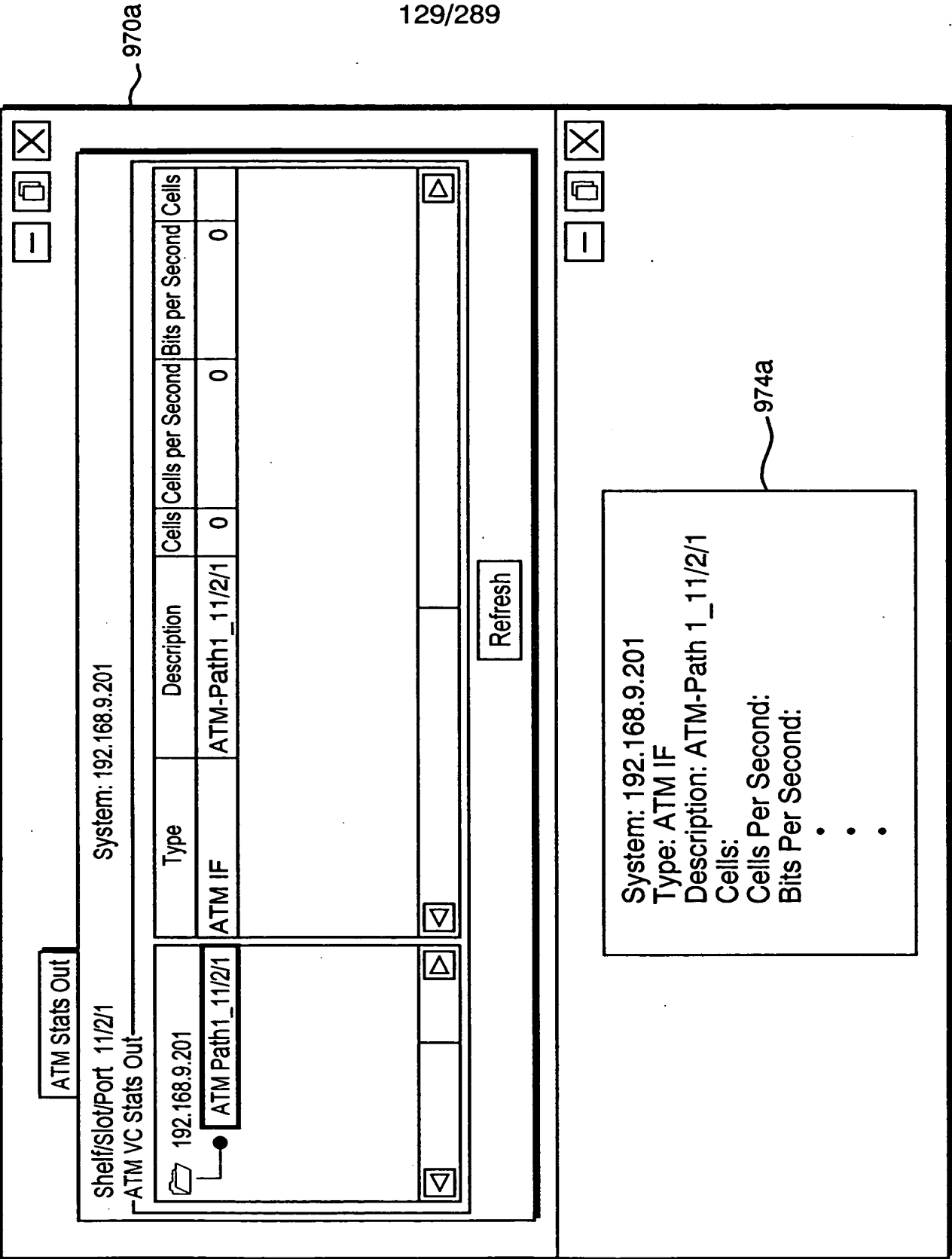


FIG. 9H

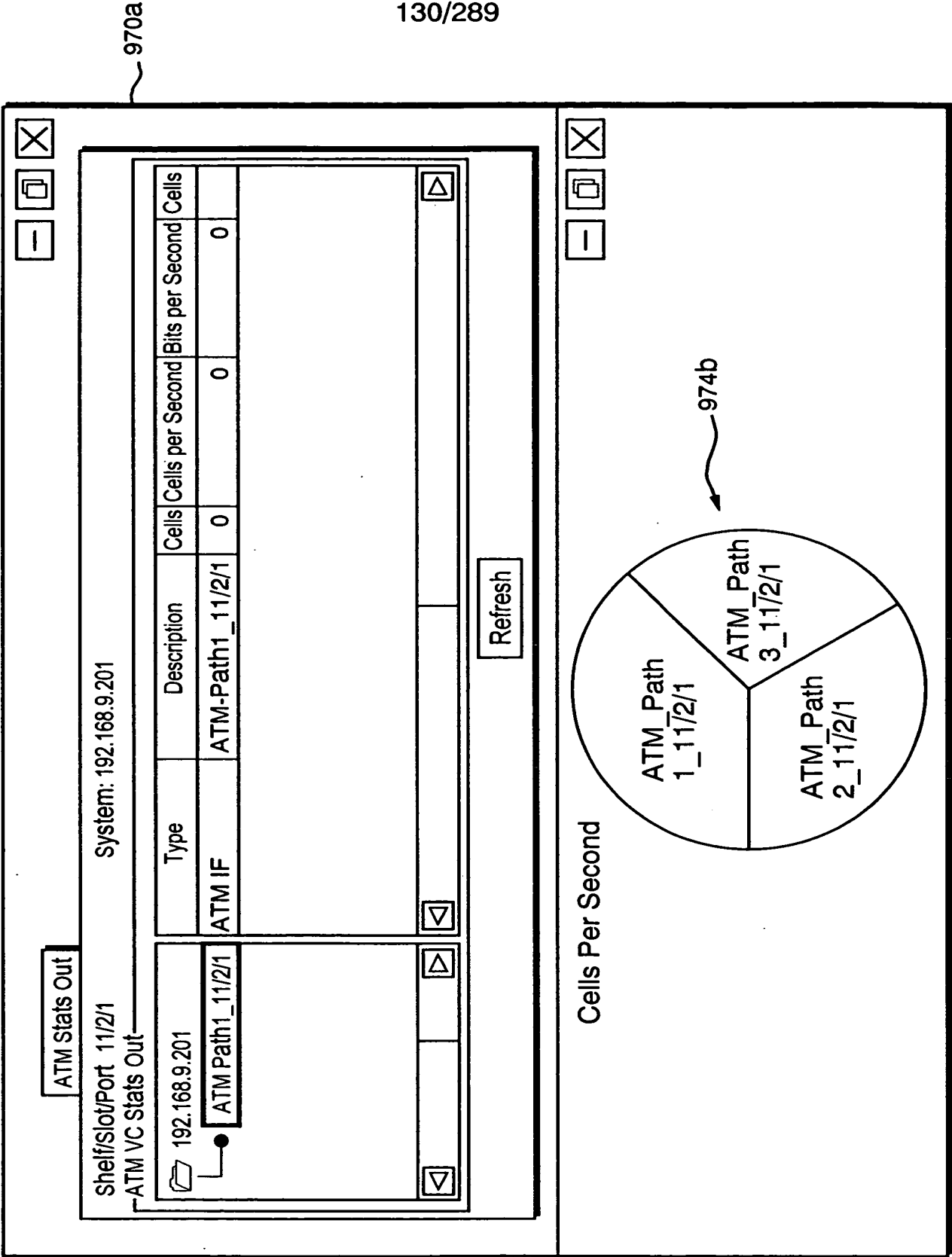


FIG. 9I

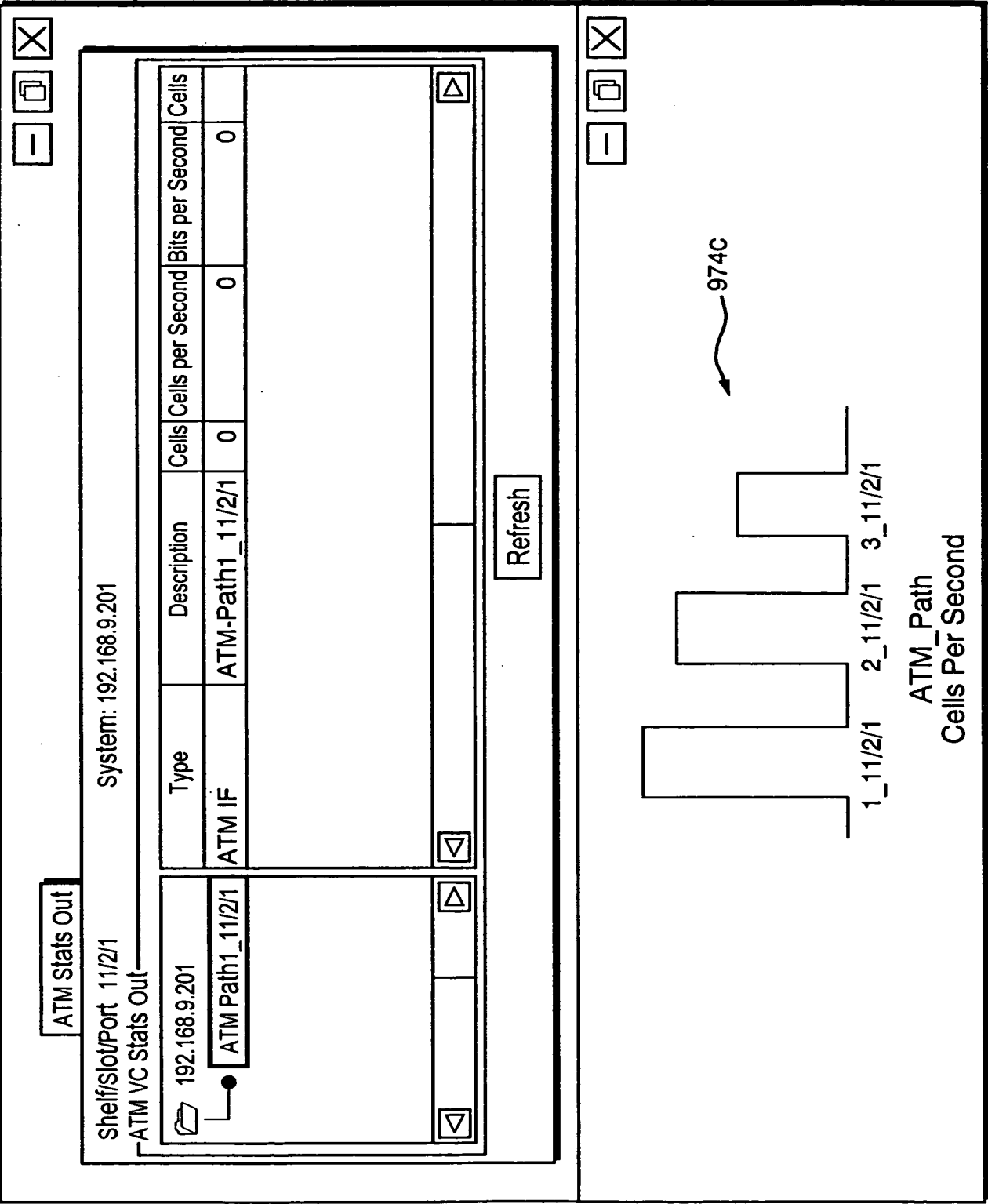


FIG. 9J

ATM Stats Out

Shelf/Slot/Port 11/2/1System: 192.168.9.201

ATM VC Stats OUT

System: 192.168.9.201

ATM Path1_11/2/1

Type	Description	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0

Refresh

ATM Interface Properties - 192.168.9.202

Shelf/Slot/Port: 11/4/1Path Name: Path2_11/2/1

ATM Properties

Name

Minimum VPI bits

Maximum VPI bits

Minimum VCI bits

Maximum VCI bits

ATM-Path_11/2/1

1

8

5

16

OK

Cancel

970a

974d

FIG. 9K

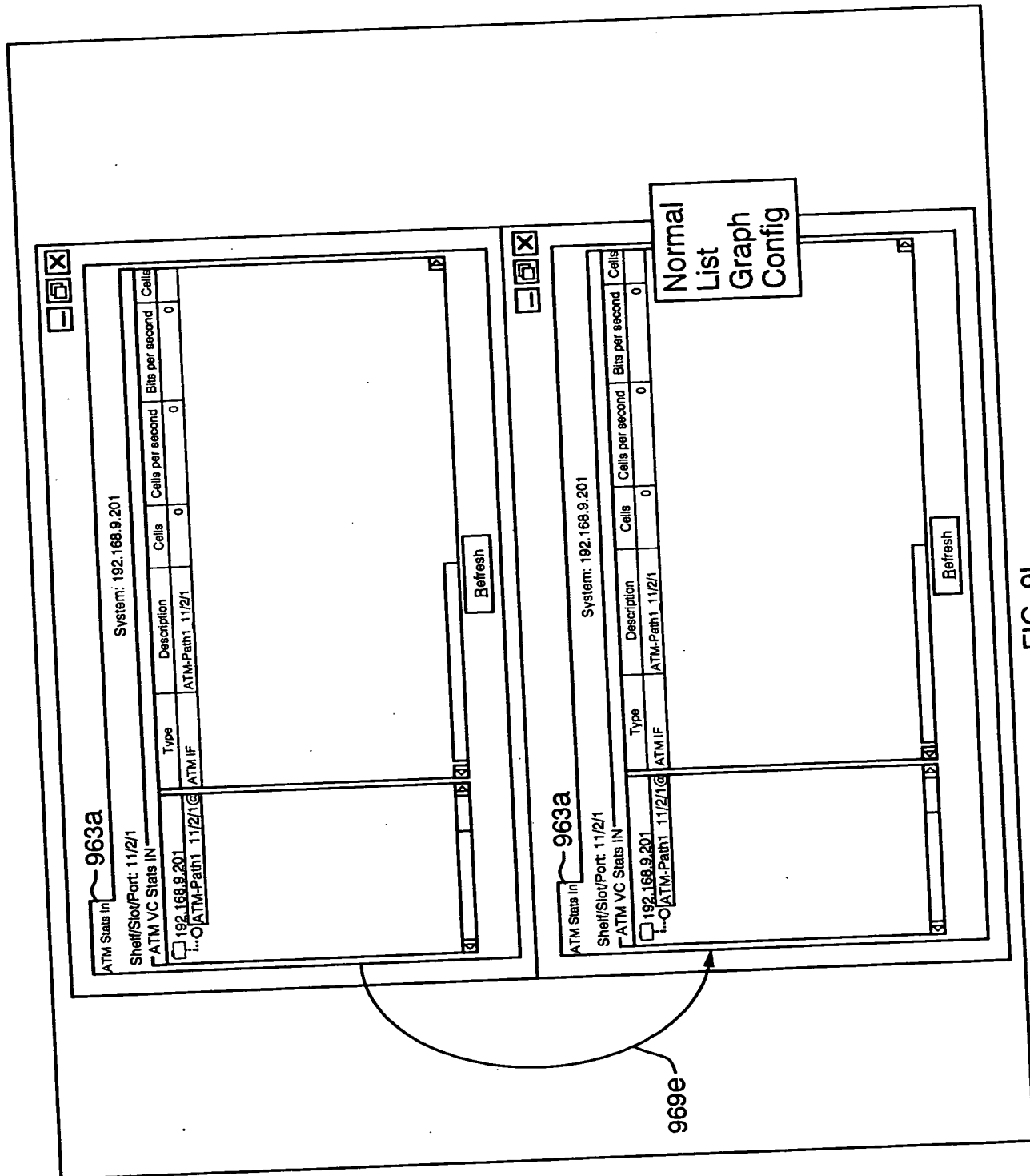


FIG. 9L

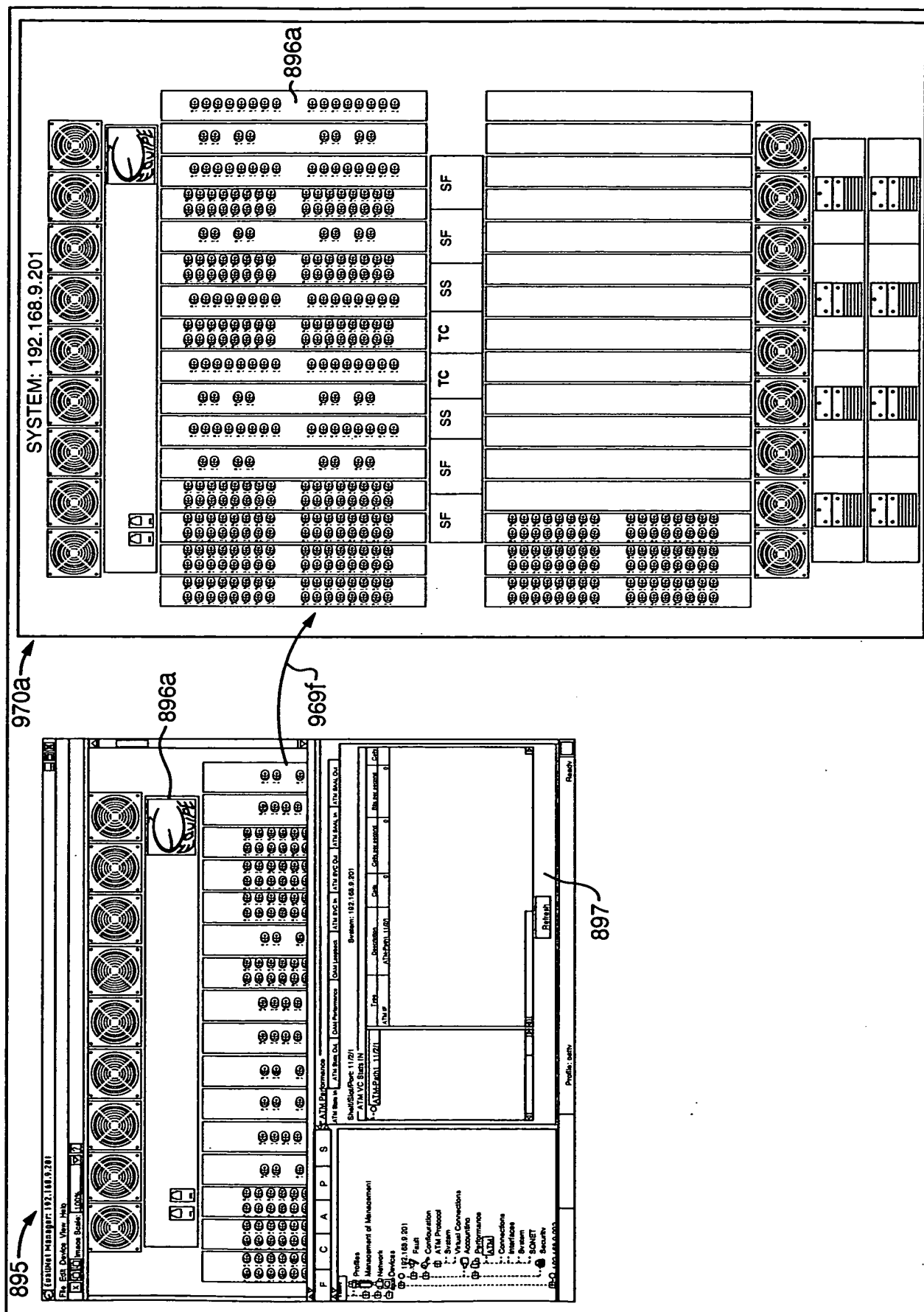


FIG. 9M

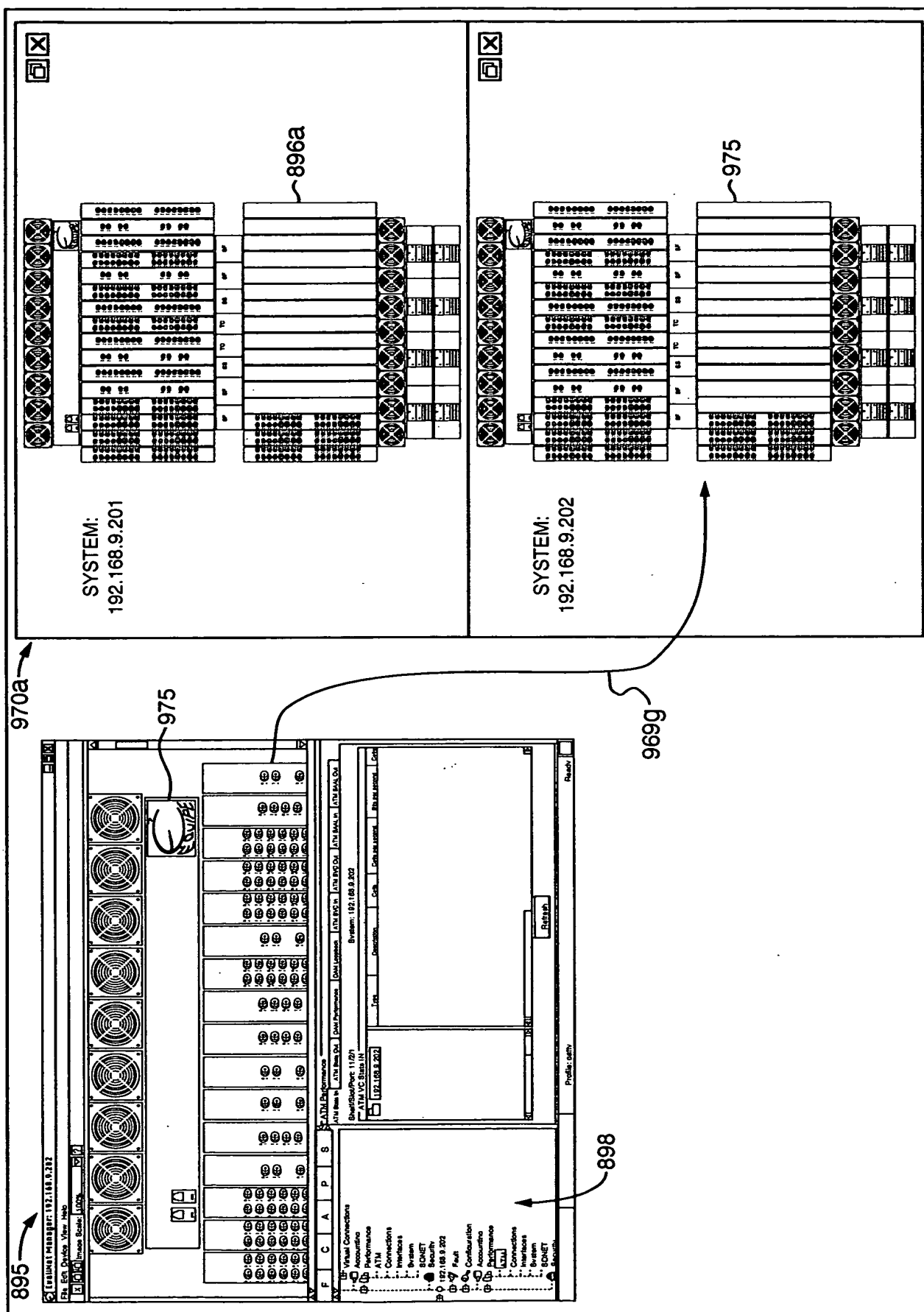


FIG. 9N

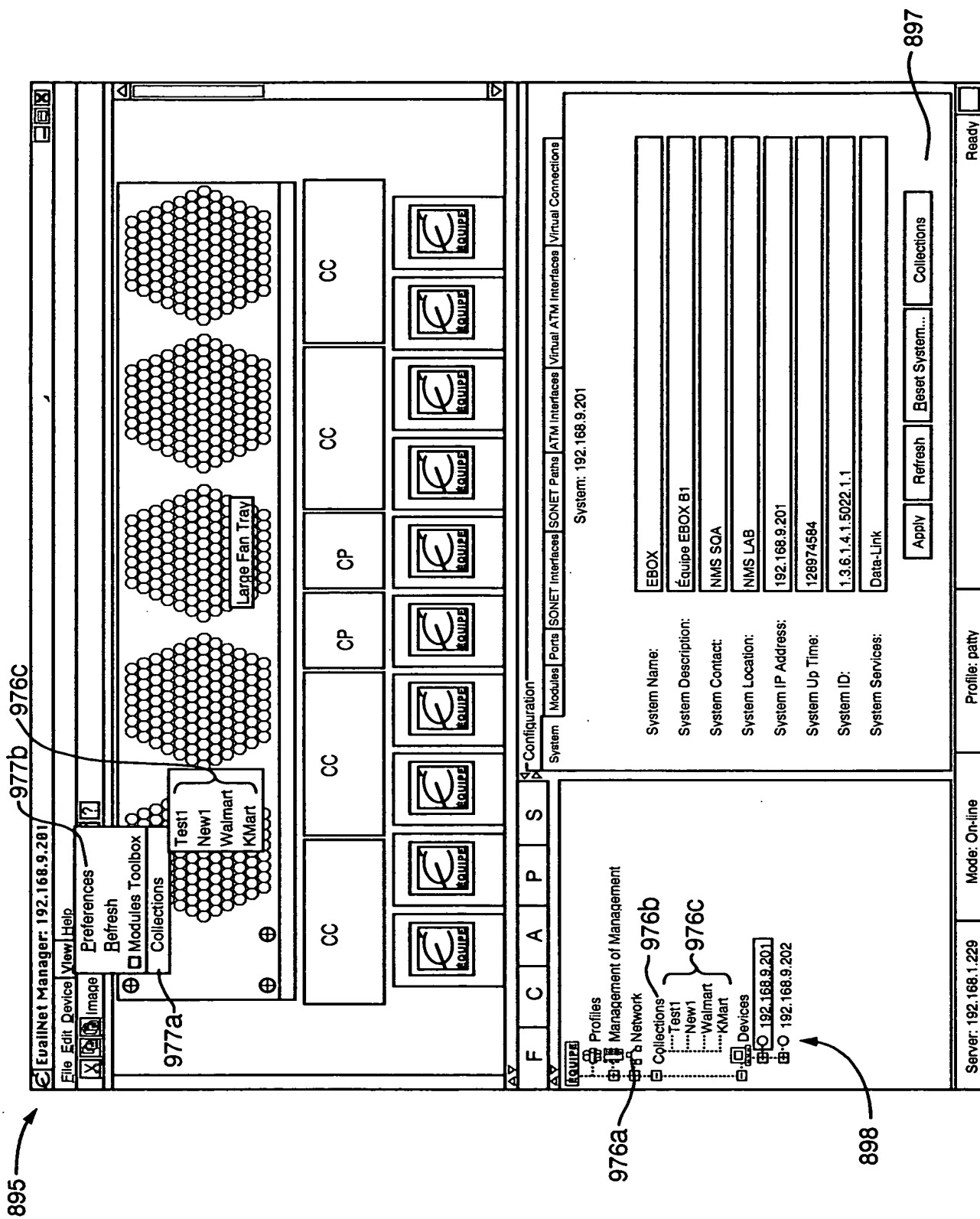
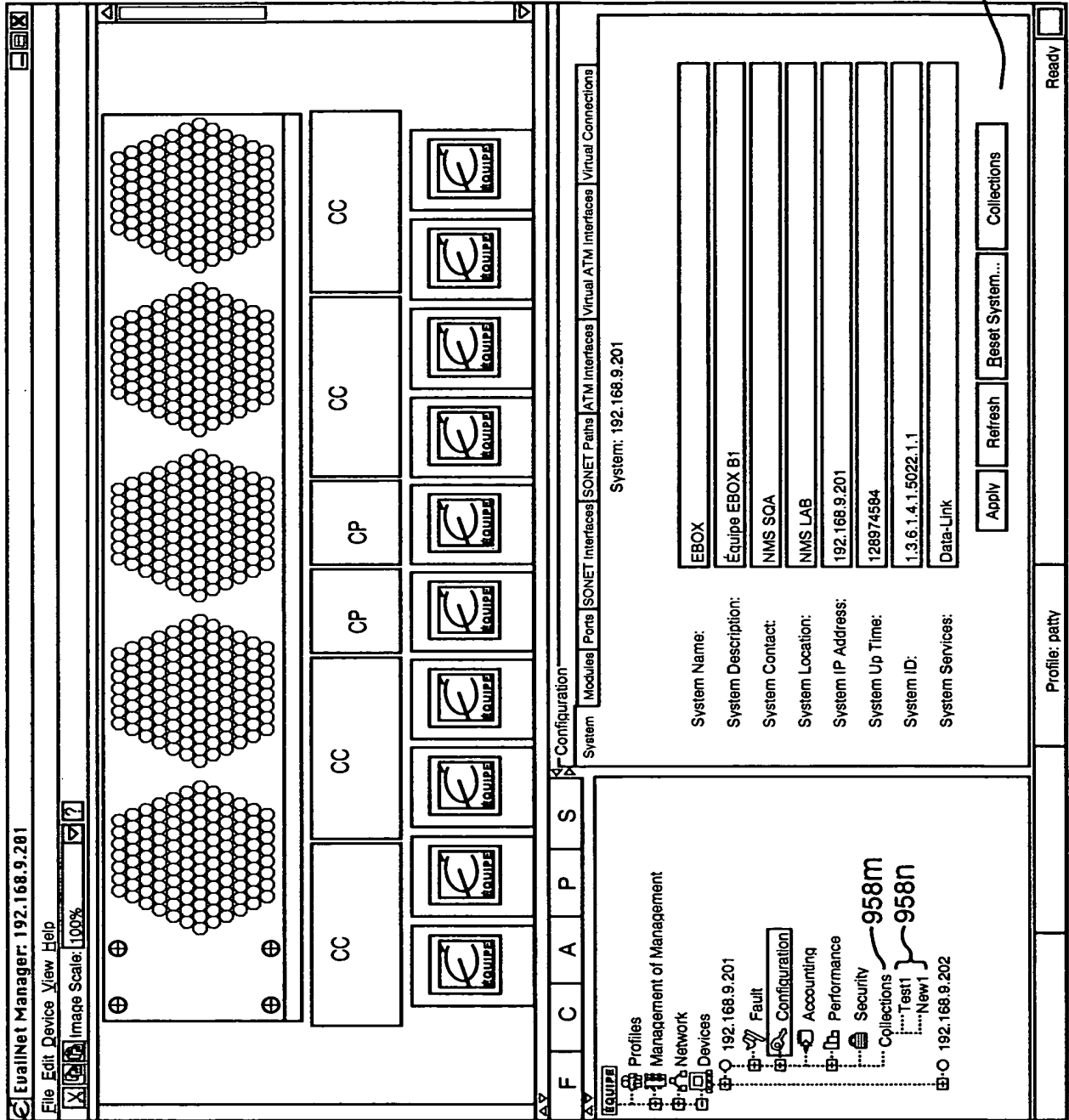


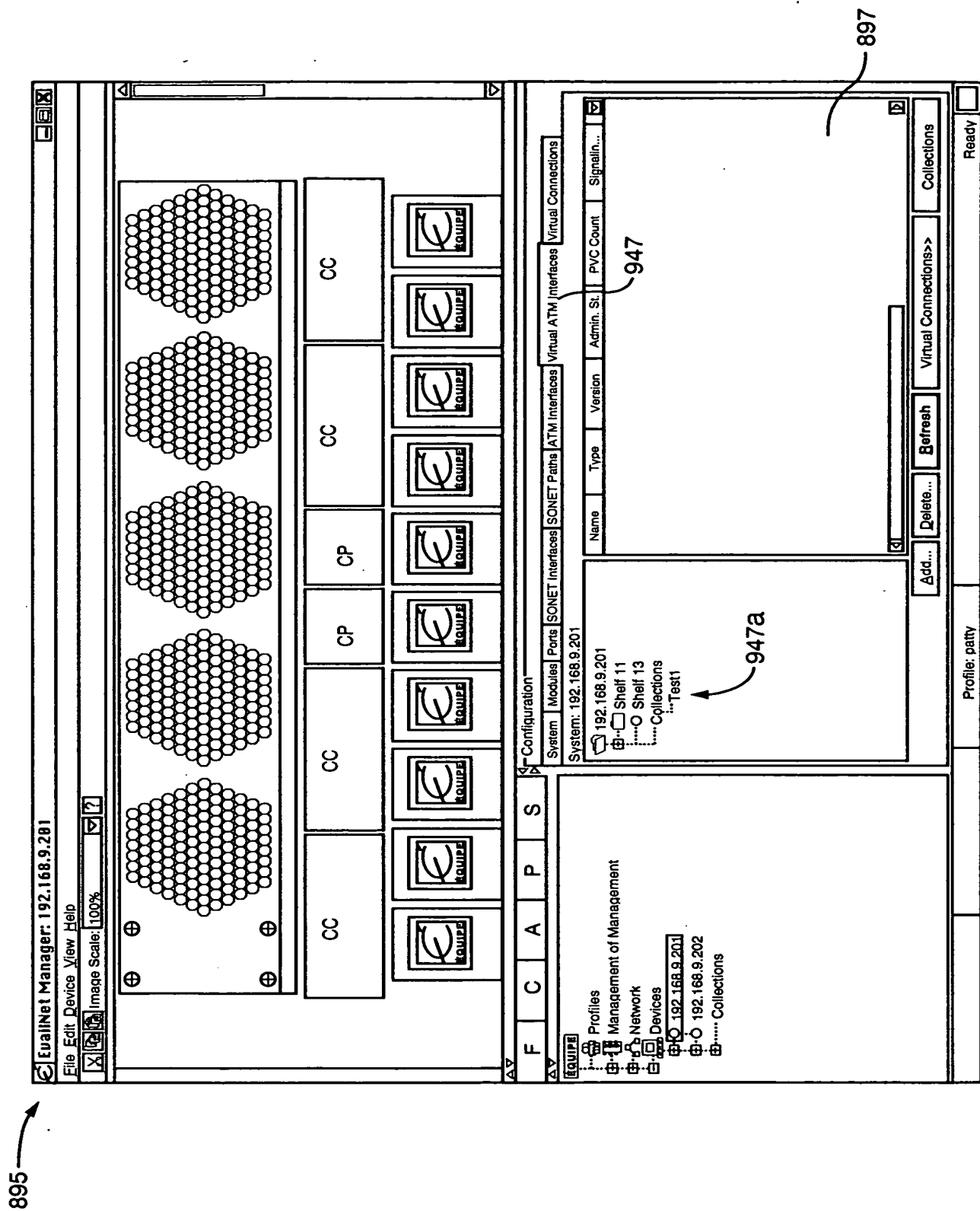
FIG. 10A

895



897

FIG. 10B



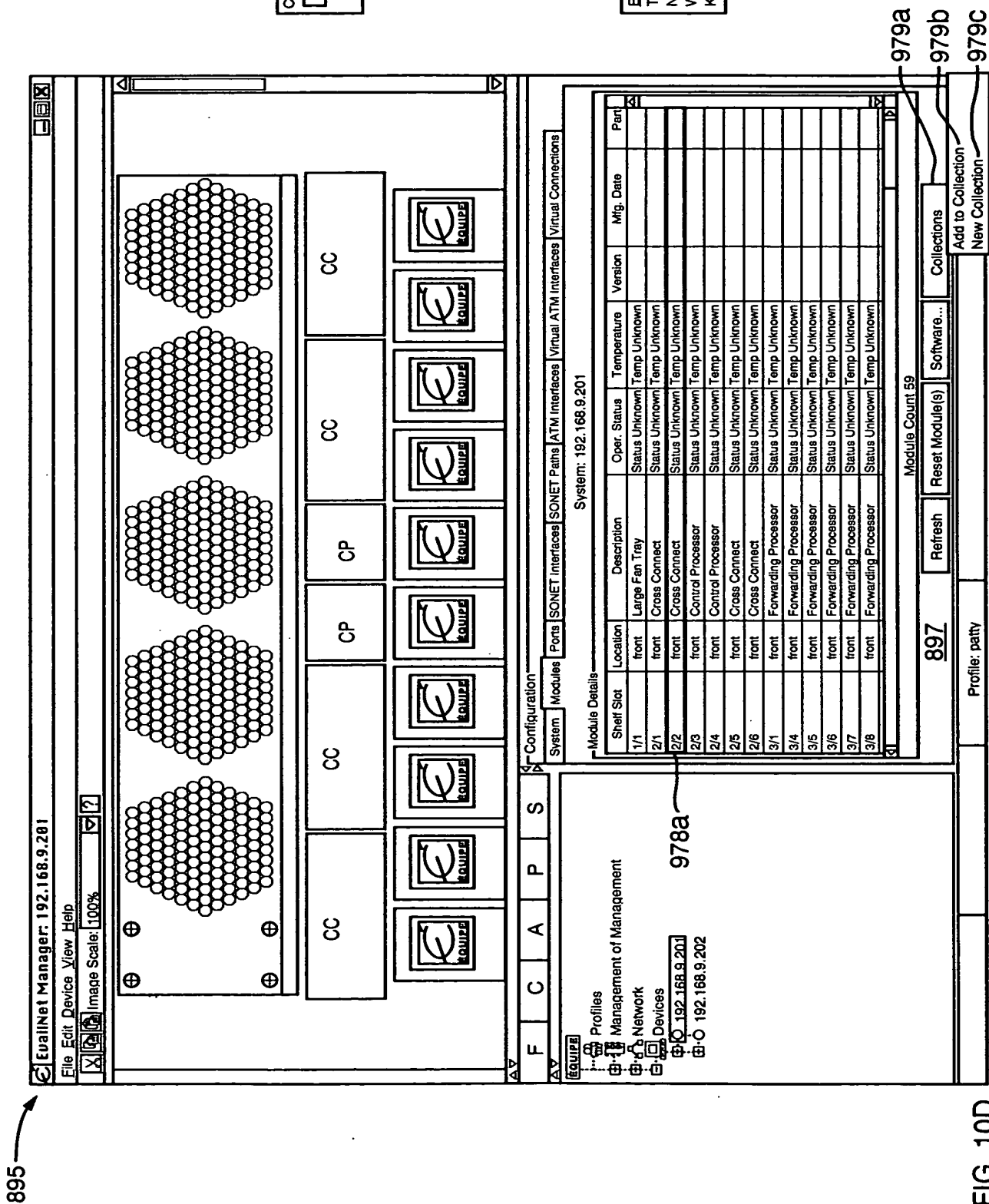


FIG. 10D

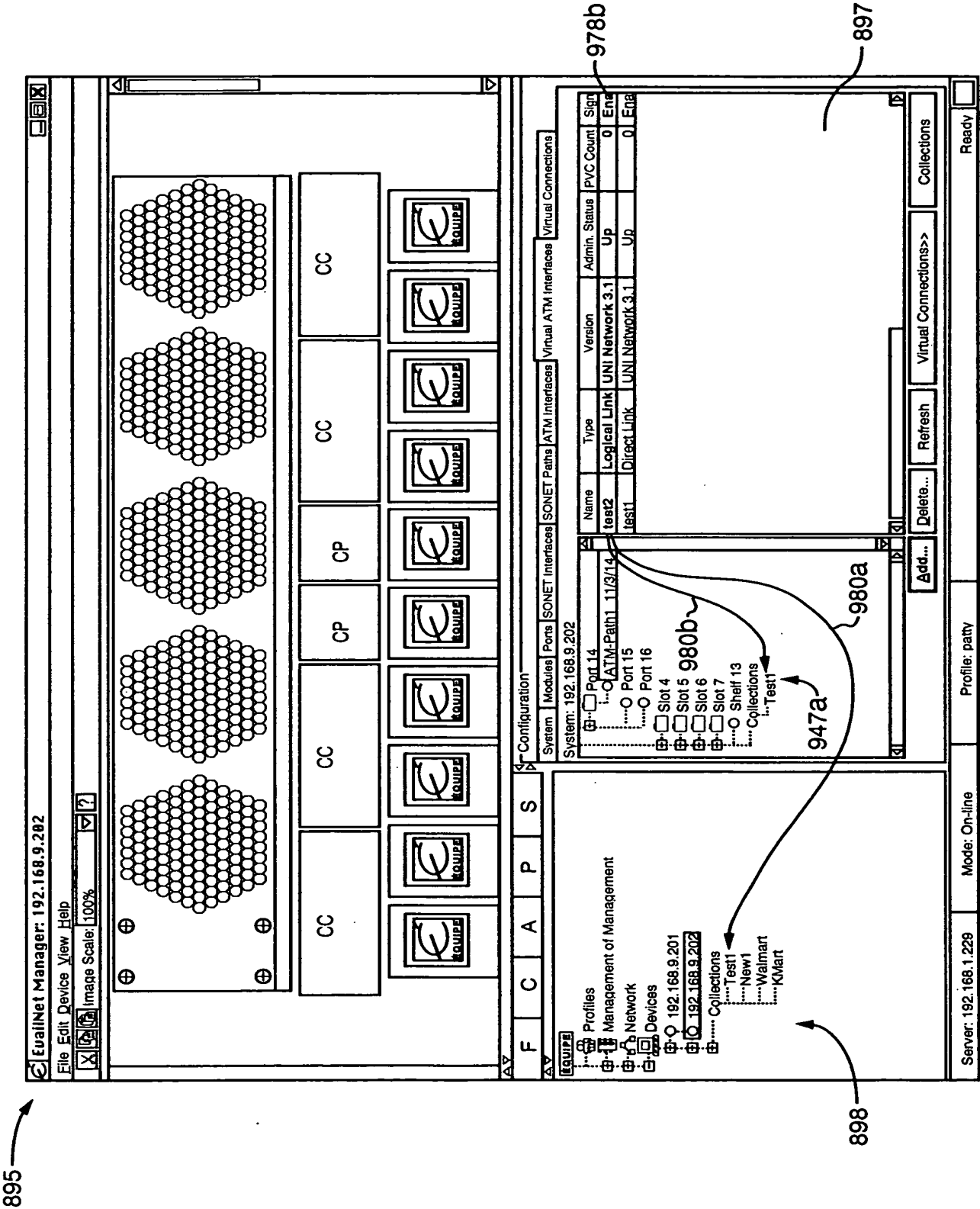


FIG. 10G

EvalNet Manager: 192.168.9.201

File Edit Device View Help

Image Scale: 100%

⊕ ⊕ ⊕ ⊕ ⊕

CC CC CP CP CC

CC CC CC CC CC CC CC CC

SONET Path Count: 15

SONET Line	Path Name	Path Positi...	Path Width	Path Type	Service	Ingress	Egress
Shelf 11/Slot 1/Port 12	Path1_11/1/12	1	STS-3c	Terminated	ATM		
Shelf 11/Slot 1/Port 13	Path1_11/1/13	1	STS-3c	Terminated	ATM		
Shelf 11/Slot 2/Port 1	Path1_11/2/1	1	STS-3c	Terminated	ATM		
Shelf 11/Slot 2/Port 4	Path1_11/2/4	1	STS-3c	Terminated	ATM		
Shelf 11/Slot 2/Port 5	Path1_11/2/5	1	STS-3c	Terminated	ATM		
Shelf 11/Slot 2/Port 11	Path1_11/2/11	1	STS-3c	Terminated	ATM		
Shelf 11/Slot 2/Port 12	Path1_11/2/12	1	STS-3c	Terminated	ATM		
Shelf 11/Slot 4/Port 1	Path1_11/4/1	1	STS-12c	Terminated	ATM		
Shelf 11/Slot 4/Port 1	Path1_11/4/1	13	STS-12c	Terminated	ATM		
Shelf 11/Slot 4/Port 1	Path1_11/4/1	25	STS-12c	Terminated	ATM		
Shelf 11/Slot 4/Port 1	Path1_11/4/1	37	STS-12c	Terminated	ATM		
Shelf 11/Slot 4/Port 2	Path1_11/4/2	1	STS-3c	Terminated	ATM		
Shelf 11/Slot 4/Port 2	Path1_11/4/2	4	STS-3c	Terminated	ATM		

SONET Path Count: 15

Delete Refresh Diagnostics... Trace...

Server: 192.168.1.229 Mode: On-line Profile: paty

Ready

Configuration

System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections

System: 192.168.9.201

SONET Paths

Profiles

Management of Management

Network

Devices

192.168.9.202

192.168.9.201

FIG. 10H

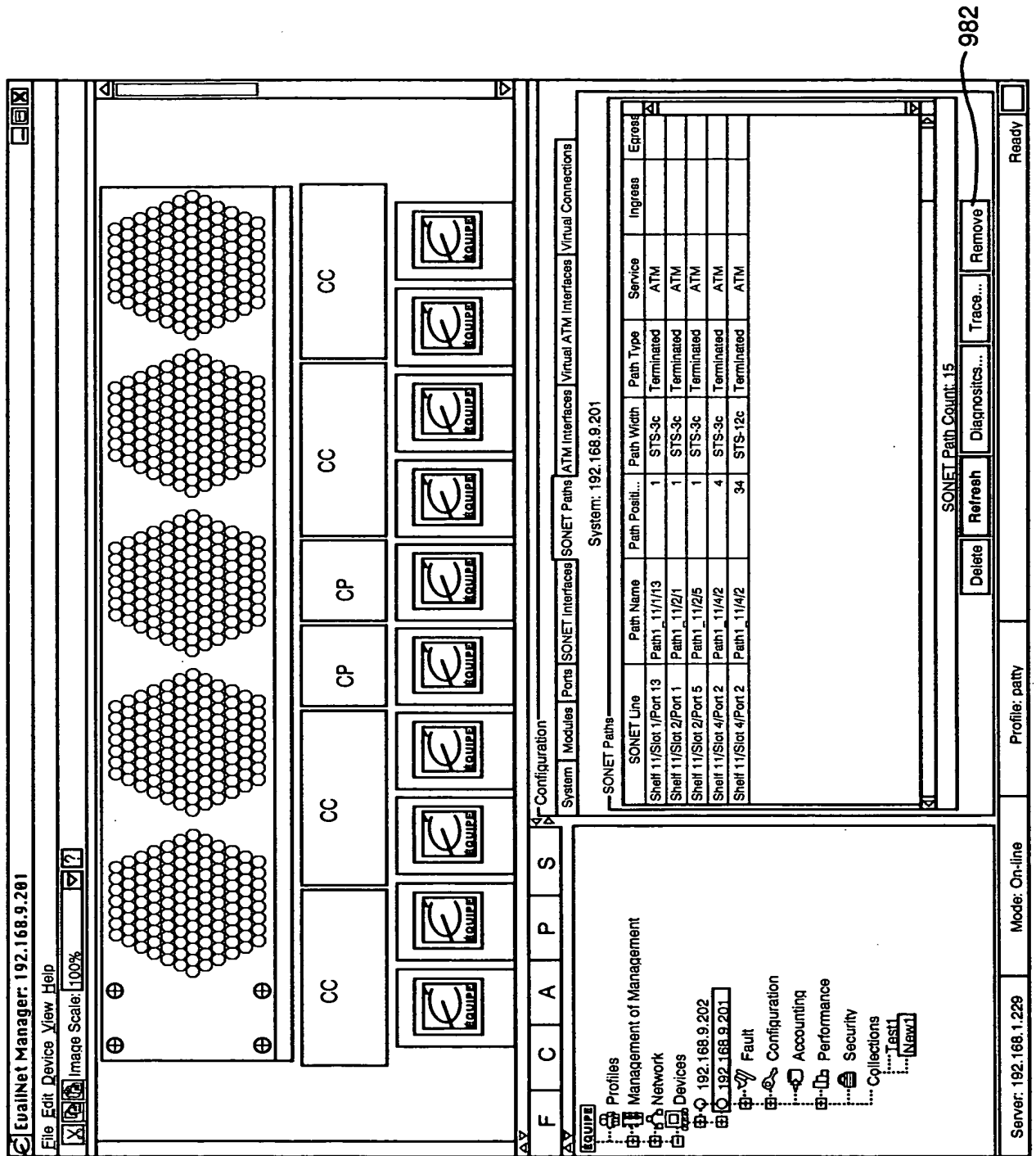


FIG. 10I

903

Profiles

System: 192.132.60.150

Profile Manager

Name	Description	Security Level	Timeout	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.32
Wayne	Wayne Arena	Provisioner	15	TeamServer1:192...	TeamServer2:192.168.1.32

Add

Delete...

Refresh

Copy

904

905

906

FIG. 11A

✕

□

-

General

Username: Kevin

Description: Kevin Snow user account

Group Name: Equipe

Group Level Access: ☒

Password: *****

Confirm Password: *****

Policies

☒ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15 Minutes

TO
FIG. 11C

FIG. 11B

FROM
FIG. 11B

Servers

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.221

6503

Devices

Device	READ	READWRITE	Retry	Timeout
192.168.9.202	public	equipe	3	3
192.168.9.205	public	equipe	3	3
192.168.9.216	public	equipe	3	3

908g

908p

908q

908r

908s

908l

908n

908m

908o

908t

OK

Cancel

Add

Delete

FIG. 11C

General

Policies

Servers

Devices

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.205

6503

908t

OK

Cancel

FIG. 11D

General

Policies

Servers

Devices

Device	READ	READ/WRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	3	162
192.168.9.205	public	equipe	3	3	162
192.168.9.216	public	equipe	3	3	5012

Add

Delete

908t

OK

Cancel

FIG. 11E

General

Policies

Servers

Devices

Username:

Description:

Customer Name:

Group Level Access:

Password:

Confirm Password:

Kevin

Kevin Snow user account

Equipe

☒

908t

OK

Cancel

FIG. 11F

General

Policies

Servers

Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout:

15

Minutes

908t

OK

Cancel

FIG. 11G

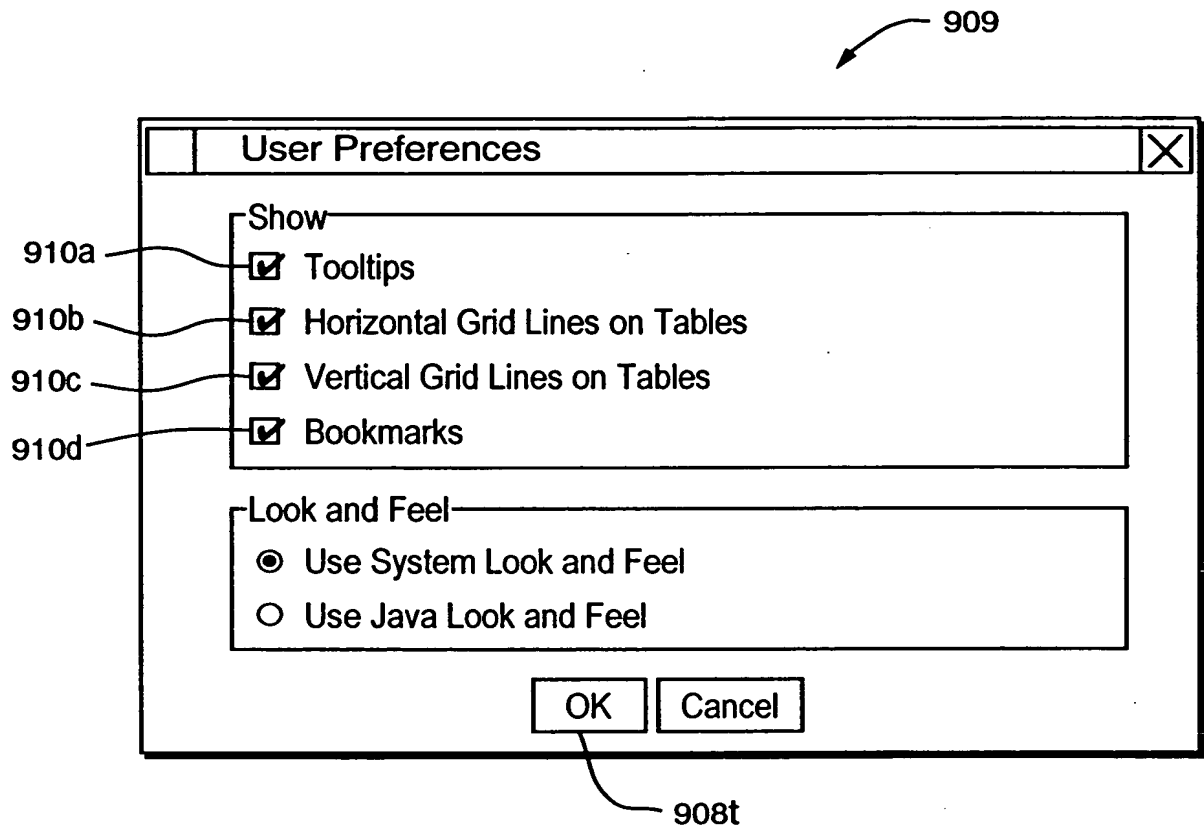


FIG. 11H

151/289

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: ☒ 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

TO
FIG. 11J

FIG. 11I

FROM
FIG. 11I

Servers

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.221

6503

Devices

Device	READ	READWRITE	Retry	Timeout
192.168.9.202	public	equipe	3	3
19 Group List				
19 Walmart-East				
Walmart-West				
Kmart 1				
Sears-Northeast				

Add

Delete

FIG. 11J

1002

EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot Port Type

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)
☐ Configure
☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM		

1002a

1002e

Graphical Representation

Position Width

1 STS-12c

1002c

Group Name:

1002d

FIG. 11K

EvaiNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot 8 Port 5 Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☒ Configure

☐ Custom Configuration

4 STS-3c paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/8/5	1	STS-3c	Termin.	ATM		
11/8/5	Path2_11/8/5	4	STS-3c	Termin.	ATM		
11/8/5	Path3_11/8/5	7	STS-3c	Termin.	ATM		
11/8/5	Path4_11/8/5	10	STS-3c	Termin.	ATM		

1002e Modify

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3c
10	STS-3c

Group Name:

OK Cancel

1002a

1002b

1002c

1002d

1002e

FIG. 11L

EvaiiNet Manager: SONET Path Configuration - 11/8/5			
System: 192.168.9.201			
SONET Line		Slot <input type="text" value="8"/>	Port <input type="text" value="5"/>
		Type <input type="text" value="OC12"/>	
Graphical Representation			
Position		Width	
1		STS-3c	
4		STS-3c	

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☒ Custom Configuration

Functions

Available SONET Paths

STS-3c

Allocated SONET Paths

STS-3c
 STS-3c
 STS-3
 STS-3

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/8/5	Path1_11/8/5	1	STS-3c	Terminated	ATM		Δ
11/8/5	Path2_11/8/5	4	STS-3c	Terminated	ATM		
11/8/5	Path3_11/8/5	7		Terminated	ATM		▽

1002a

1002d ~

Group Name

1002b

1002c ~

FIG. 11M

156/289

MANAGED RESOURCE GROUP TABLE 1008

LID	MANAGED DEVICE PID	GROUP NAME
1145	1	WALMART-EAST
⋮	⋮	⋮

FIG. 11N

MANAGED RESOURCE TABLE 1007

LID	RESOURCE LID	MANAGE RESOURCE GROUP LID
4443	901	1145
⋮	⋮	⋮

FIG. 11O

Add V-ATM Interface - 192.168.9.201 [X]

Shelf/Slot/Port: 11/4/2 Path Name: Path2_11/4/2

Virtual ATM Interface Parameters

Name (Alias):	<input type="text"/>
Connection Type:	Direct Link <input type="button" value="v"/>
Version:	UNI Network 3.1 <input type="button" value="v"/>
Admin. Status:	Up <input type="button" value="v"/>
Group Name:	<input type="button" value="v"/>

OK Cancel

1004

1004a

1004b

1004c

FIG. 11P

1006

EvailNet Manager: 192.168.9.201-Virtual Connection Wizard

Source: 192.168.9.201 Destination: 192.168.9.201

End Point 1

- 192.168.9.201
 - Shelf 11
 - Slot 1
 - Slot 2
 - Slot 3
 - Slot 4
 - Port 1
 - Port 2 (selected)

ATM-Path2_11/4/2

End Point 2

- 192.168.9.201
 - Shelf 11
 - Shelf 13

Connection Parameters

Connection Name:

Admin Status: Up 1006b

Group Name: Group List

End Point 1 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor: Add Traffic Descriptor...

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: ☐ Use Any VPI Value

VCI: ☐ Use Any VCI Value

Transmit Traffic Descriptor: Add Traffic Descriptors...

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

1006c

1006a

1006

FIG. 11Q

159/289

USER TABLE 1010

1010a	1010b			1010c	1010d	1010e
	LID	USERNAME	PASSWORD	GROUP LEVEL ACCESS		
	2012	DAVE	MARBLE	PROVISIONER		
	⋮	⋮	⋮			

FIG. 11R

USER MANAGED DEVICE TABLE 1012

1012a	1012b		1012c	1012d	1012e
	LID	USER LID	HOST LID	RETRY	TIMEOUT
	7892	2012	9046		
	⋮	⋮	⋮	⋮	⋮

FIG. 11S

ADMINISTRATION MANAGED DEVICE TABLE 1014

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3
.
.
.

FIG. 11T

161/289

1013

ADD DELETE DEVICE Dig X

1013a — DEVICE HOST: 192.168.1.202
1013b — DEVICE PORT: 1521
1013c — SNMP RETRY:
1013d — SNMP TIMEOUT:
1013e — ADMIN. PASSWORD:
1013f — PROV. PASSWORD:
1013g — VIEWER PASSWORD:

1013h — ADD

OK CANCEL DELETE

1013i —

FIG. 11U

162/289

USER RESOURCE GROUP MAP TABLE 1016

LID	USER LID	USER RESOURCE GROUP LID
8086	2012	1024
⋮	⋮	⋮

FIG. 11V

USER RESOURCE GROUP TABLE 1018

LID	HOST LID	GROUP NAME
1024	9046	WALMART-EAST
⋮	⋮	⋮

FIG. 11W

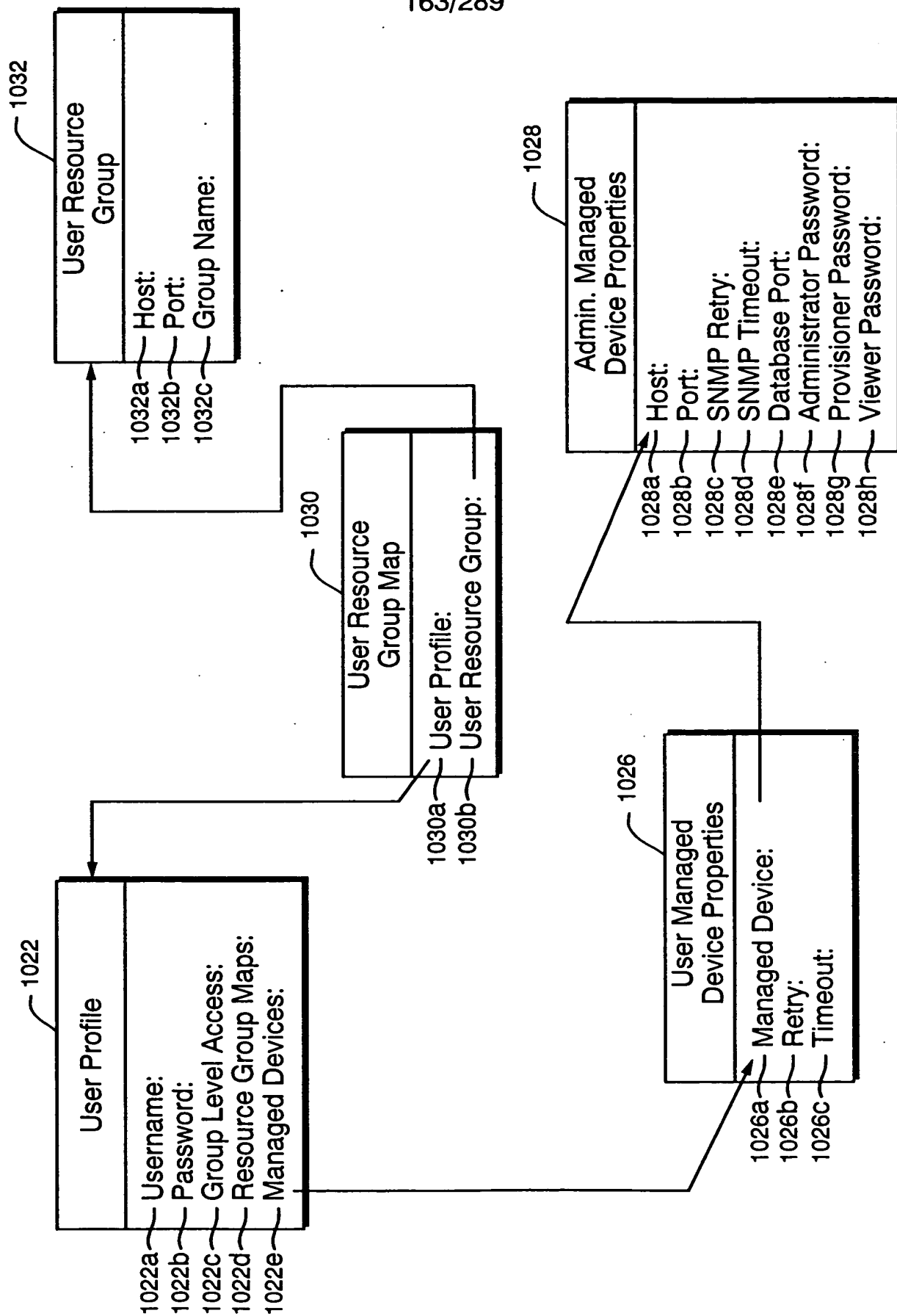


FIG. 11X

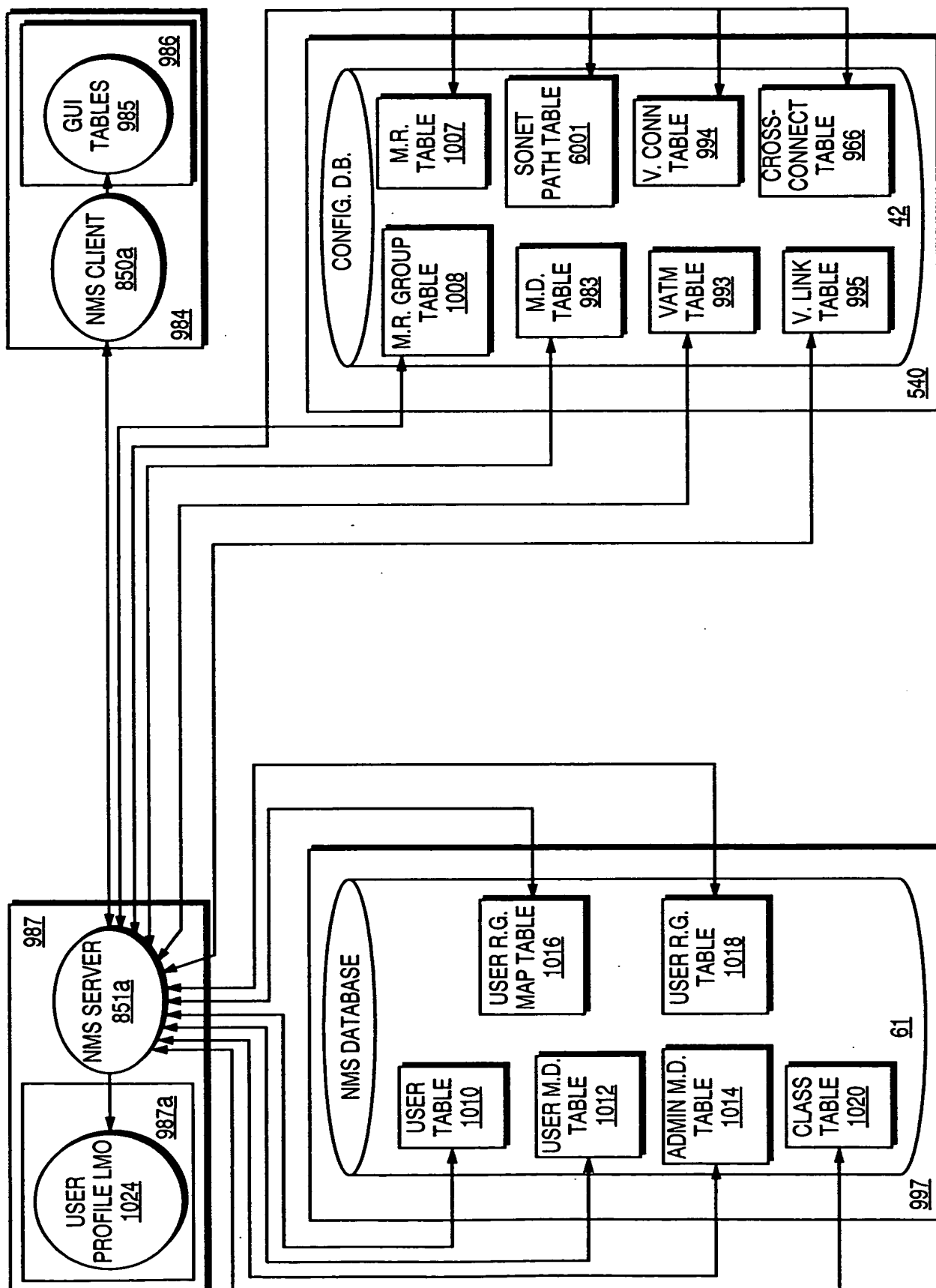


FIG. 11Y

165/289

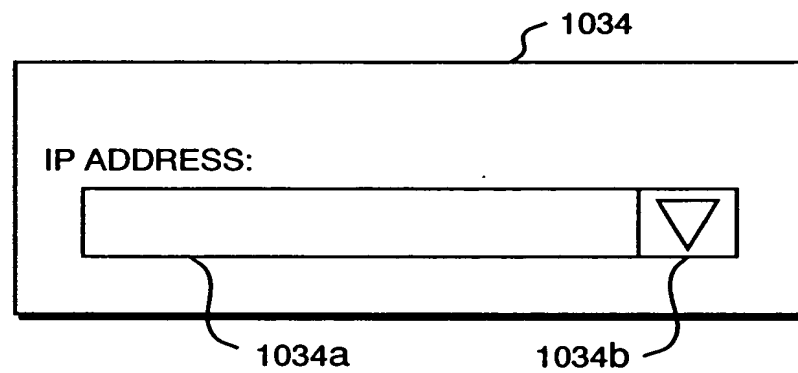


FIG. 11Z

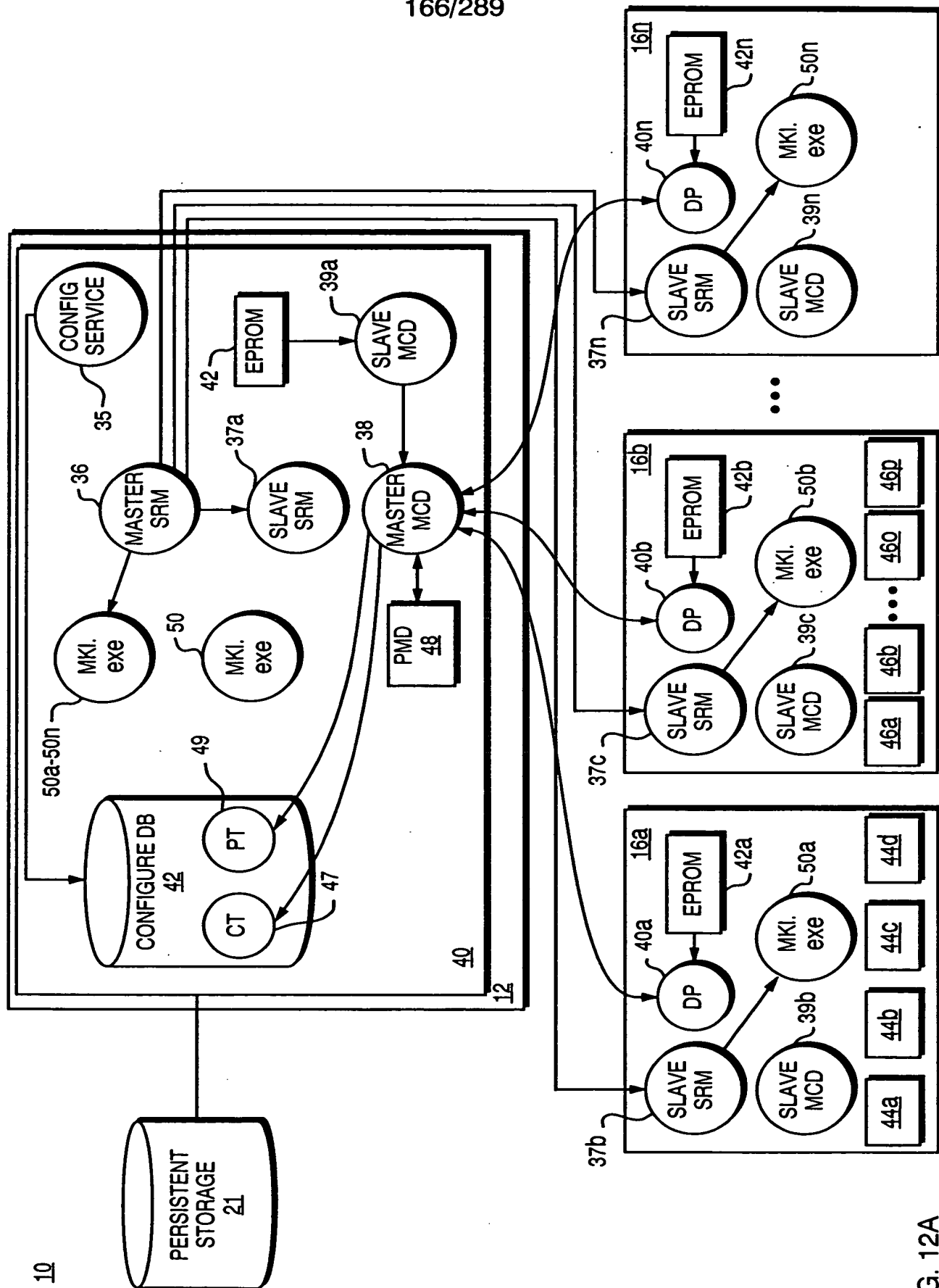


FIG. 12A

167/289

CARD TABLE 47

	PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1	
16b	501	0XF002	4	2	
	⋮	⋮	⋮	⋮	⋮
16e	505	0X6002	1	5	
	⋮	⋮	⋮	⋮	⋮
16n	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12B

168/289

PORT TABLE 49

	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
46a	⋮	⋮	⋮	⋮	⋮
	⋮	⋮	⋮	⋮	⋮
	⋮	⋮	⋮	⋮	⋮
	1600	00620	1	8	
	⋮	⋮	⋮	⋮	⋮
	⋮	⋮	⋮	⋮	⋮
	⋮	⋮	⋮	⋮	⋮

FIG. 12C

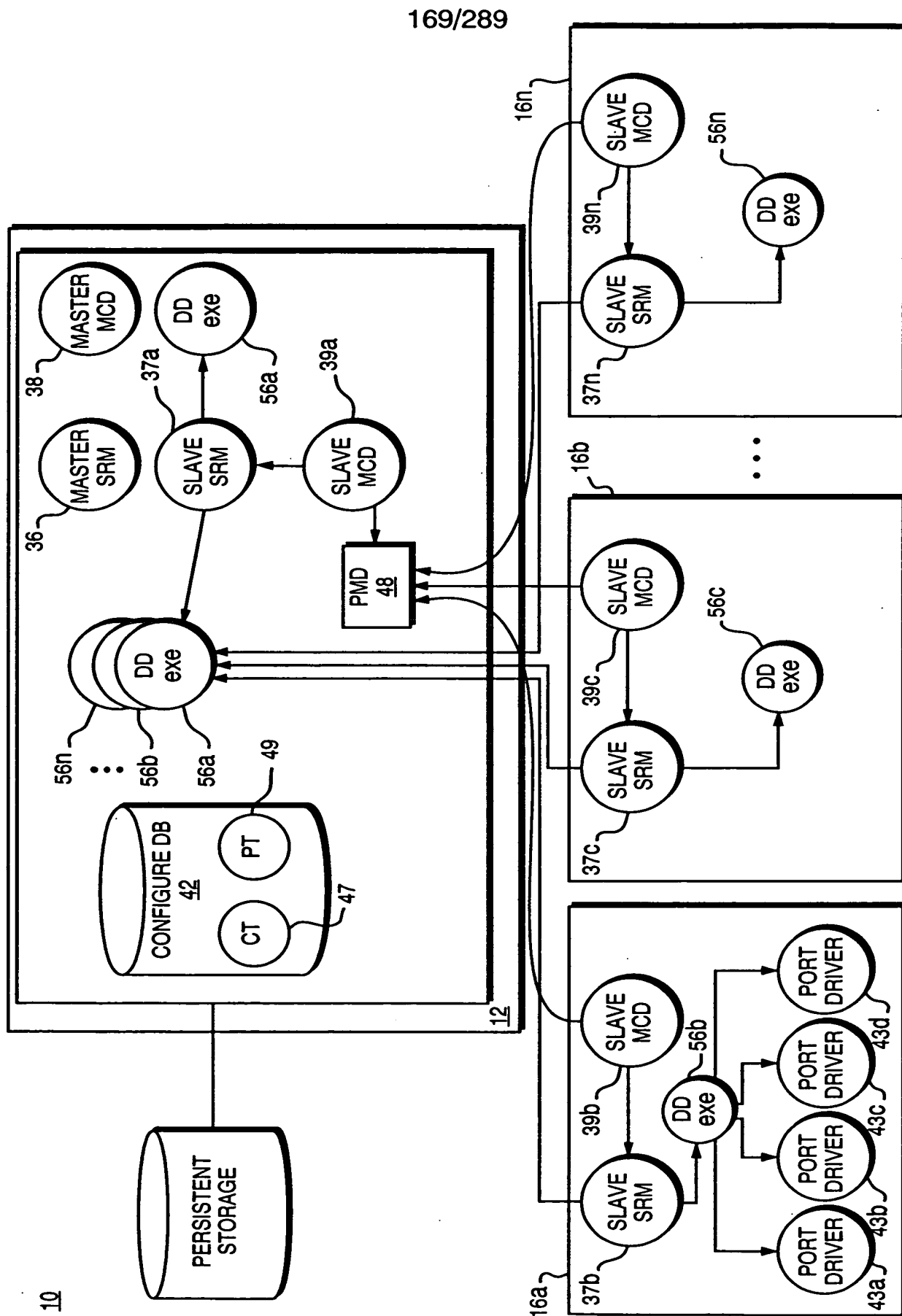


FIG. 13A

170/289

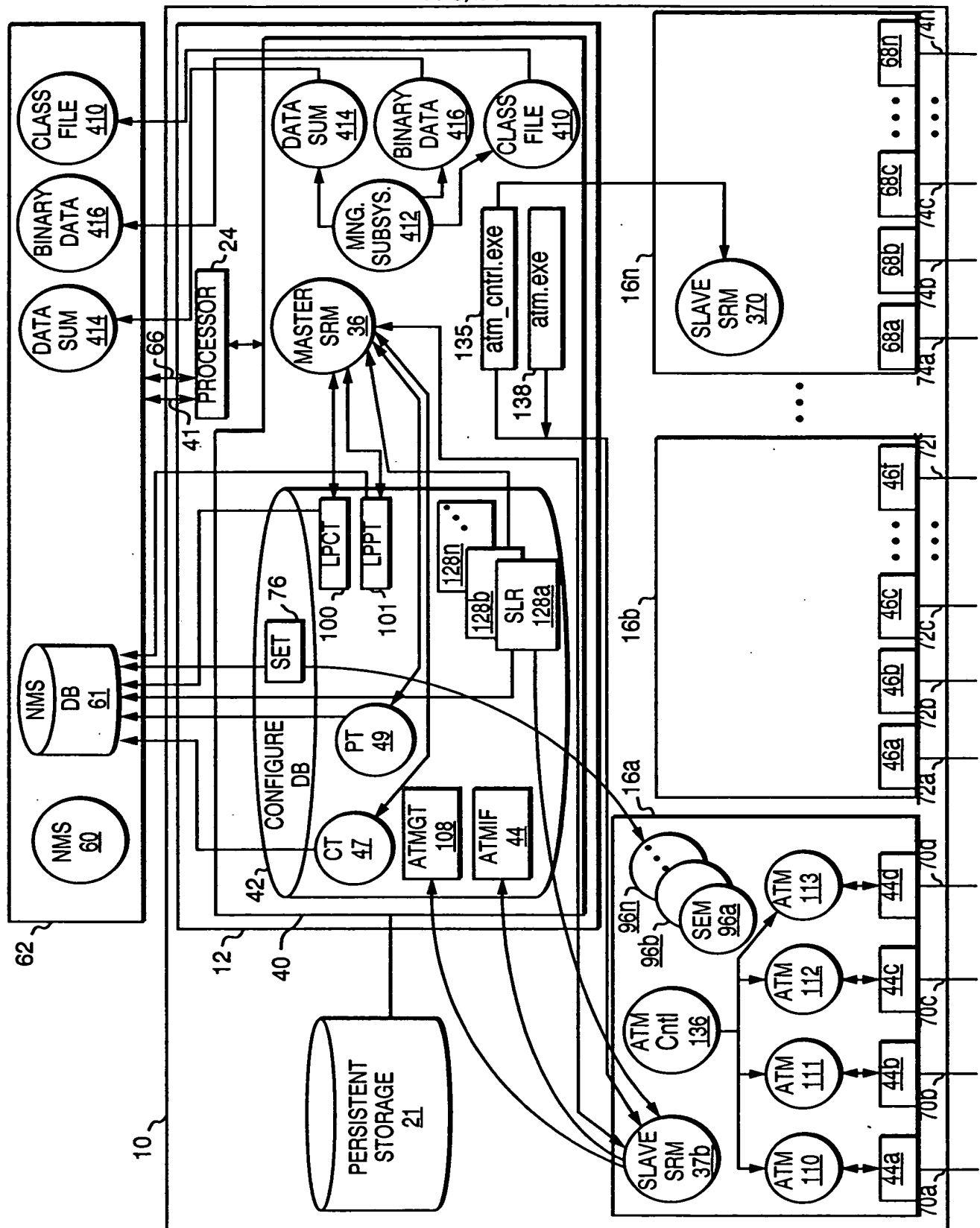


FIG. 13B

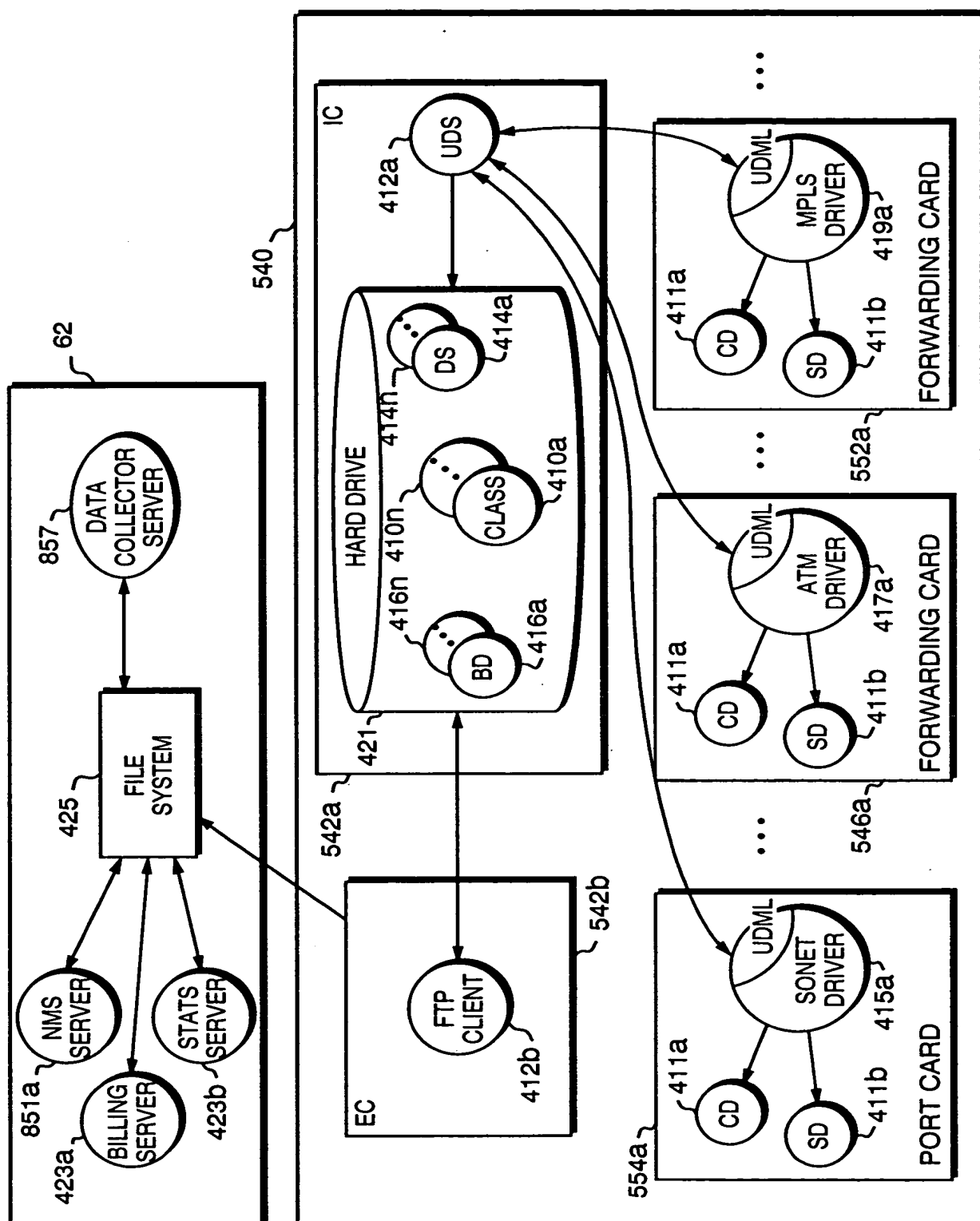


FIG. 13C

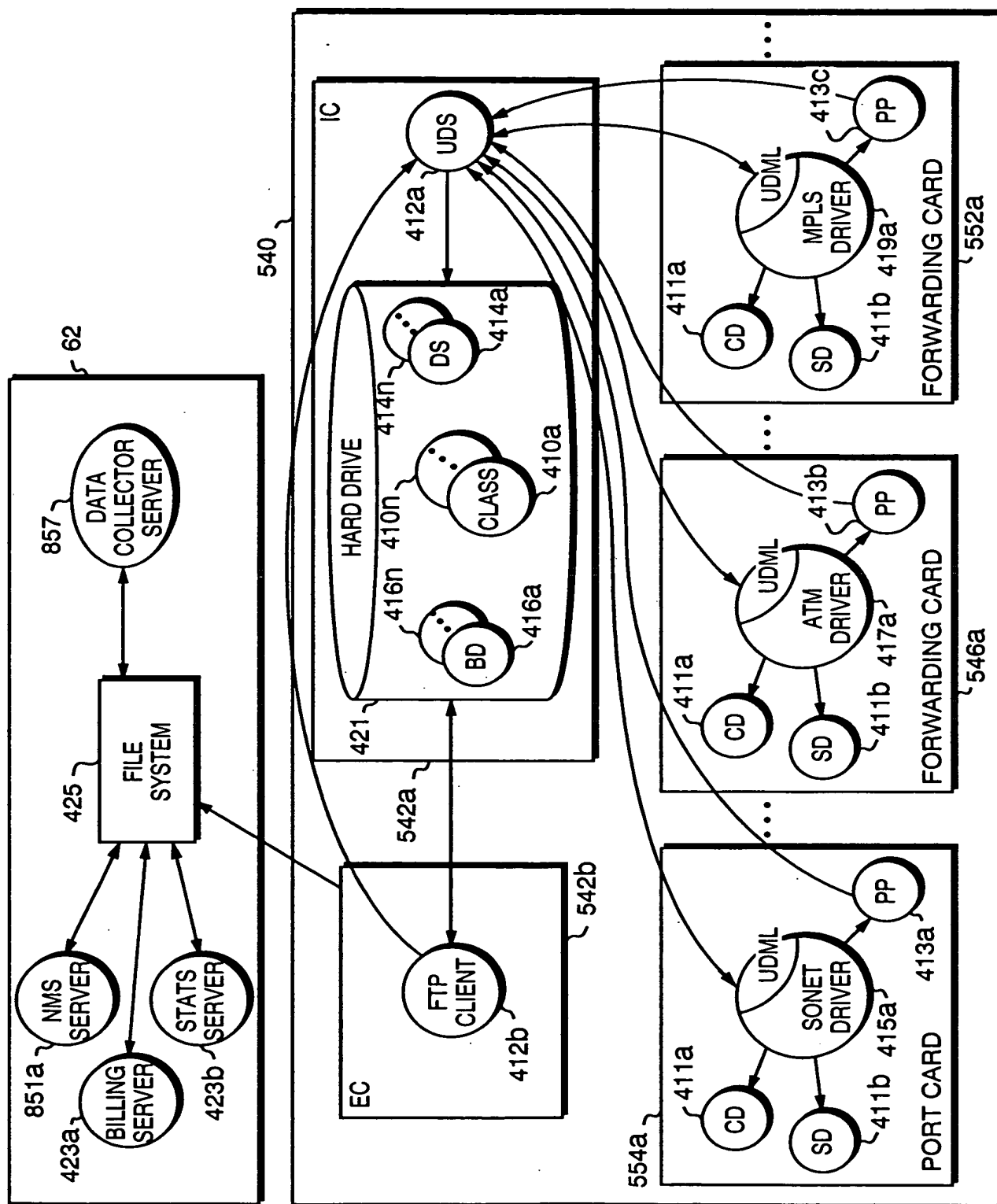


FIG. 13D

173/289

SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	.	.
	.	.
	.	.

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98 LID	102 PRIMARY PID	104 BACK-UP PID
106	30	500	513
109	31	501	513
	.	.	.
	.	.	.
	.	.	.

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98 LID	102 PRIMARY PID	104 BACK-UP PID
107	40	1500	1600
	.	.	.
	.	.	.
	.	.	.

FIG. 14C

174/289

ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

170

FIG. 14E

SOFTWARE LOAD RECORD 128a

130	CONTROL SHIM	LID	132
134	atm-cntl.exe	30	

FIG. 14F

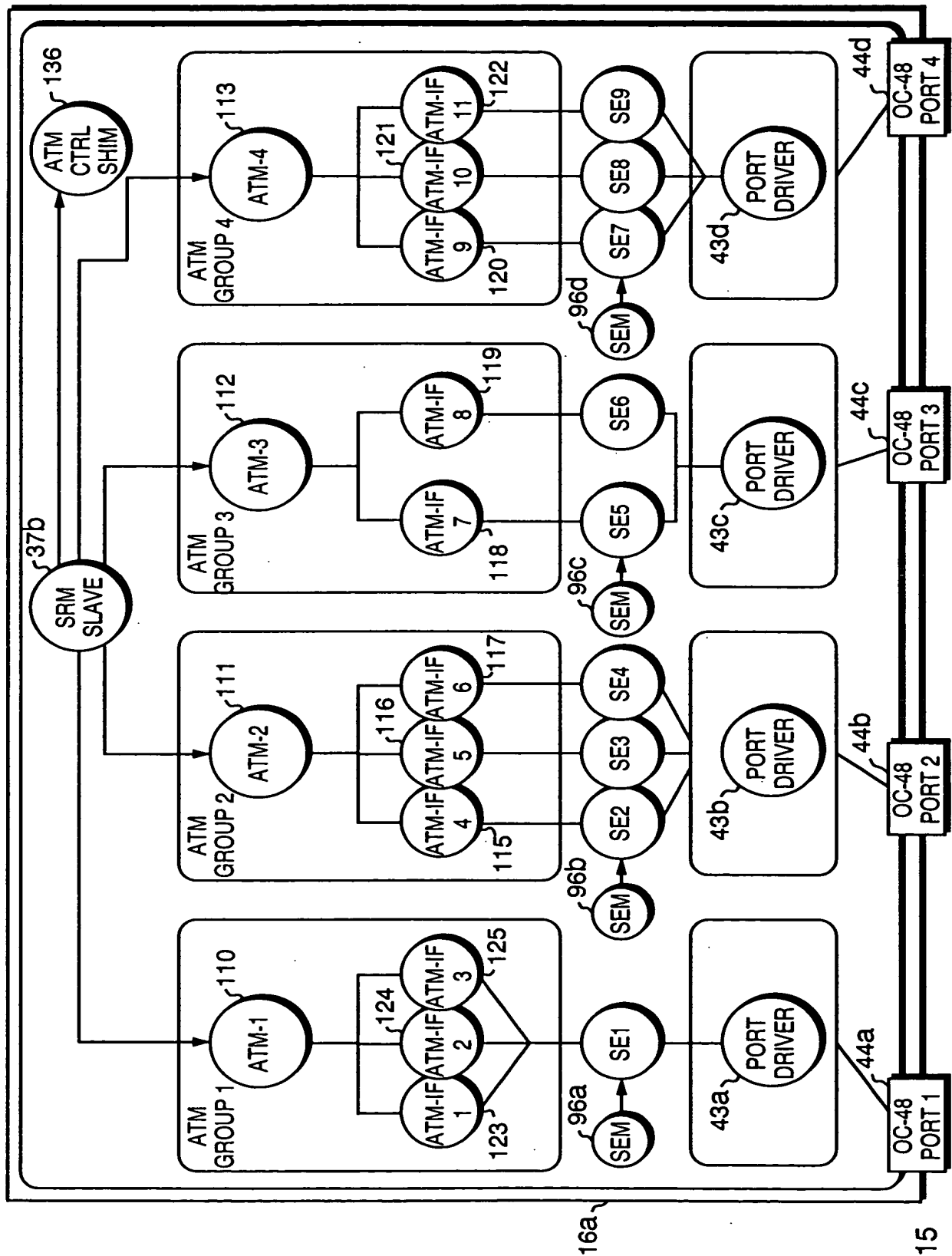


FIG. 15

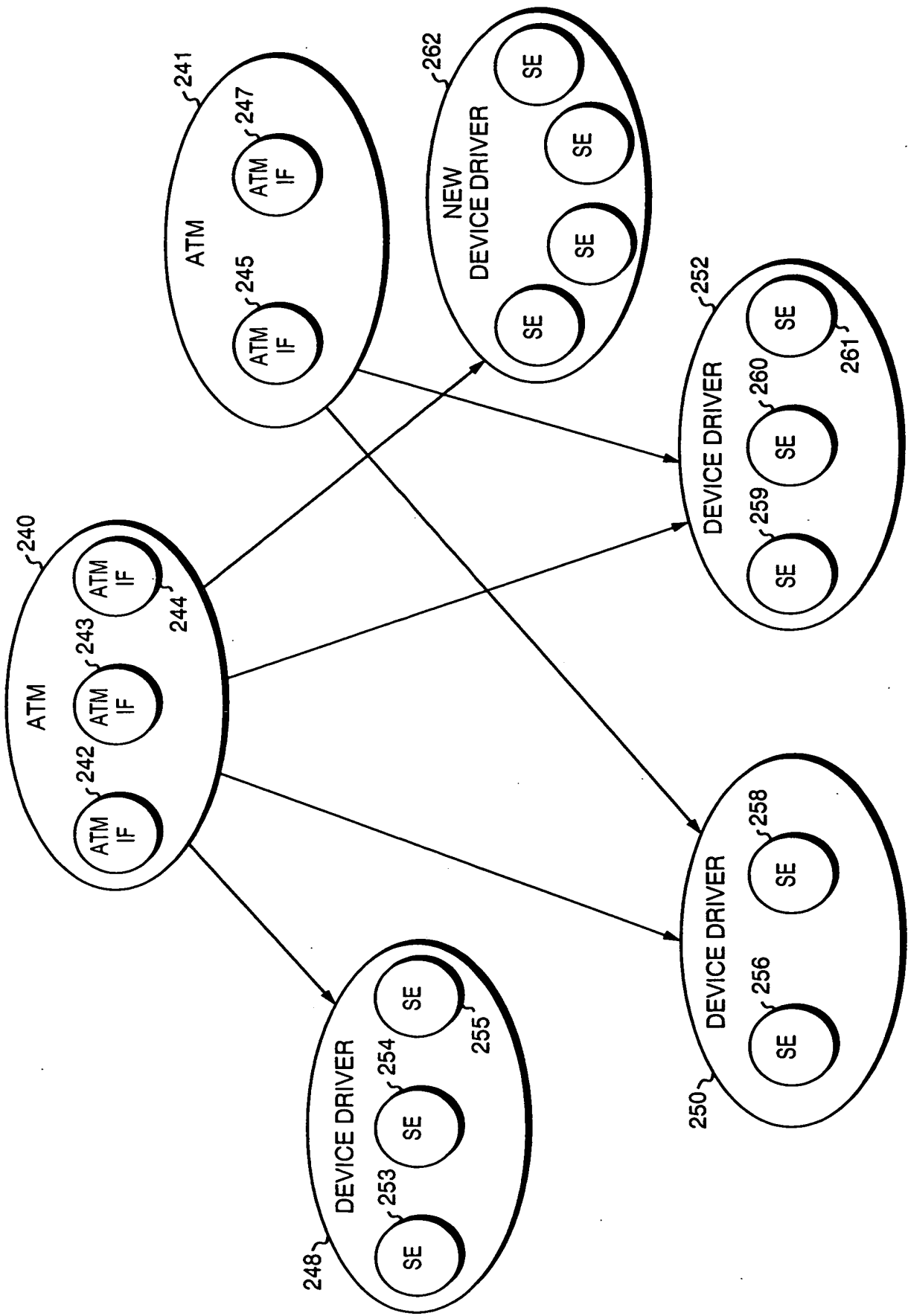


FIG. 16A

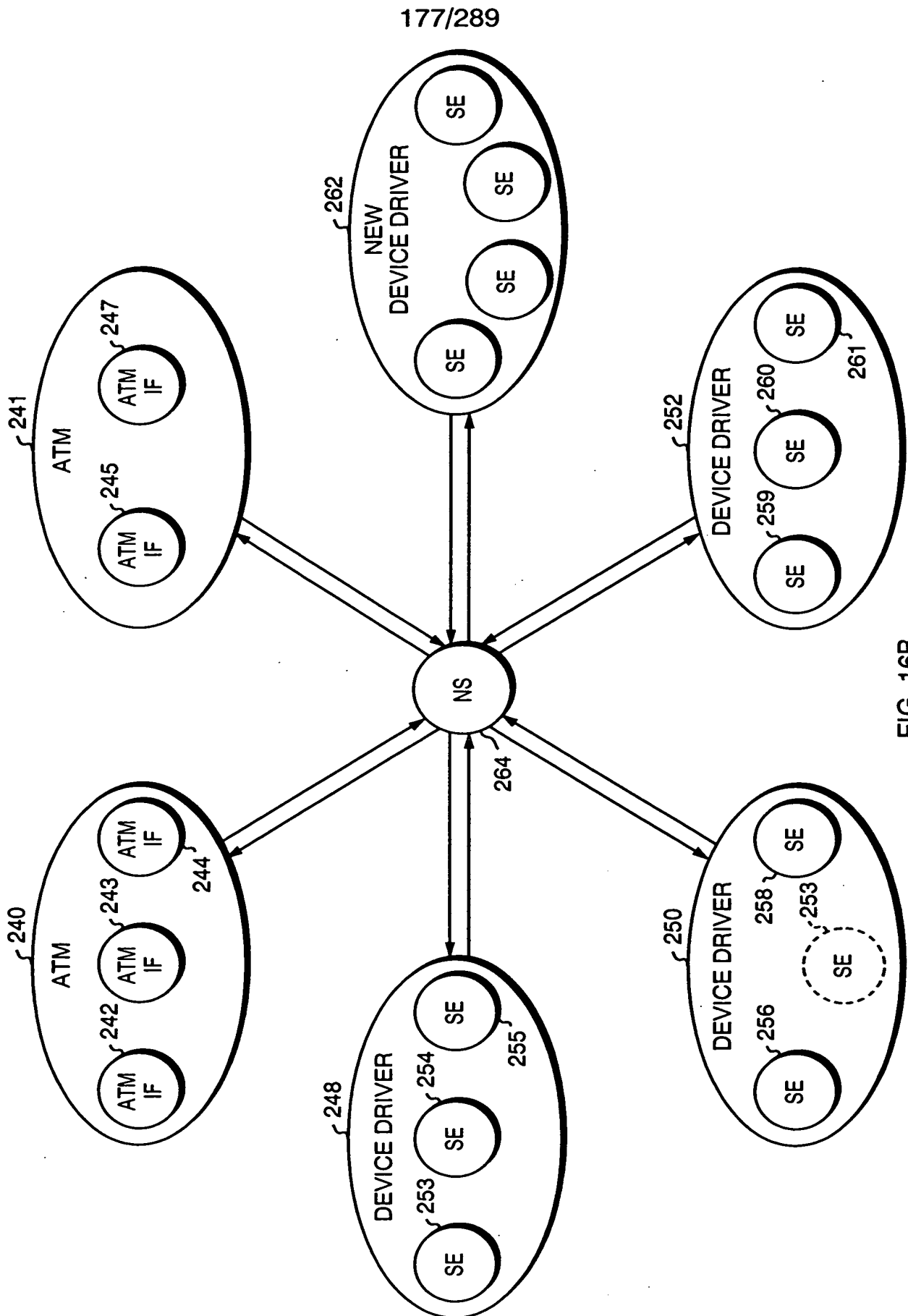


FIG. 16B

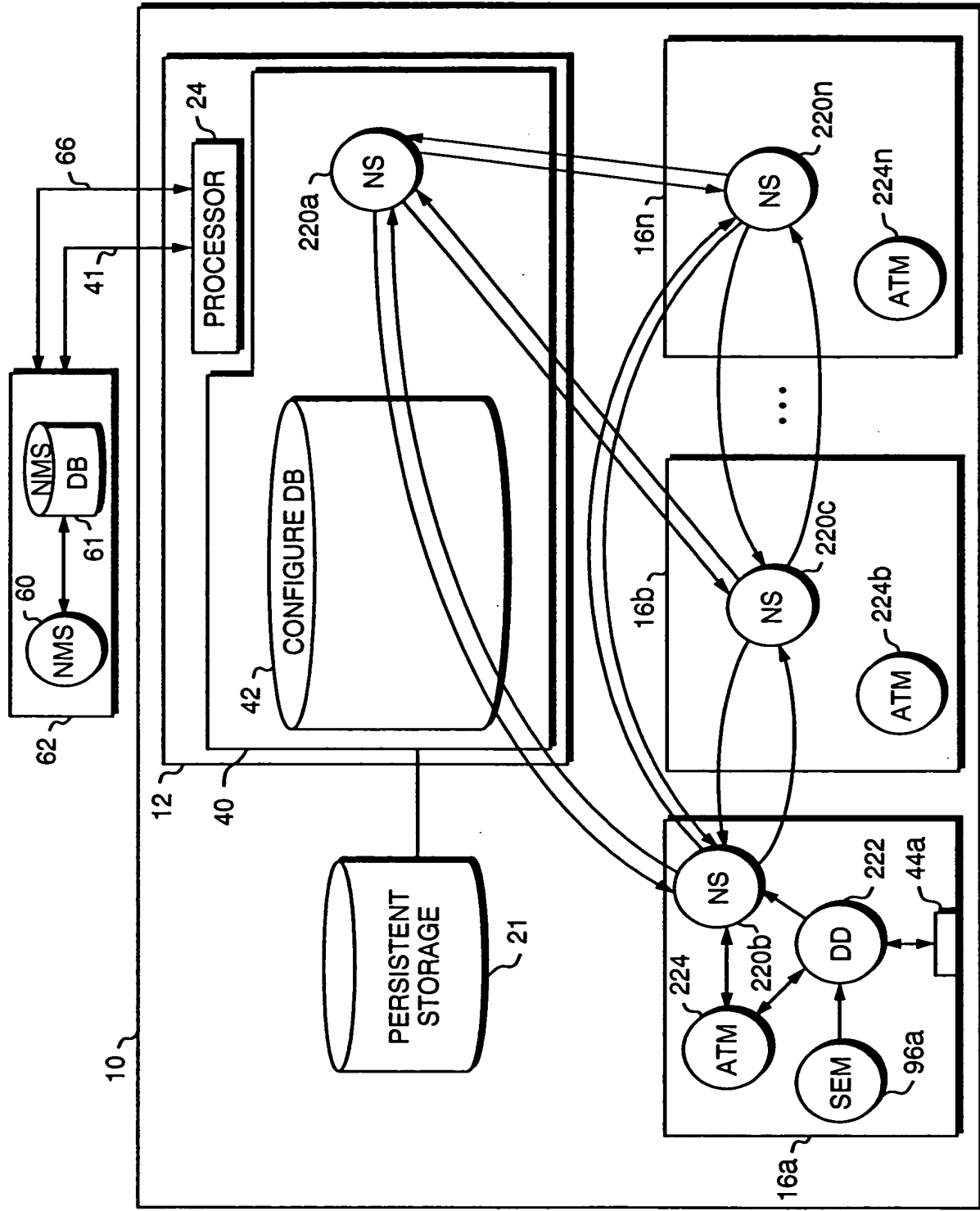


FIG. 16C

179/289

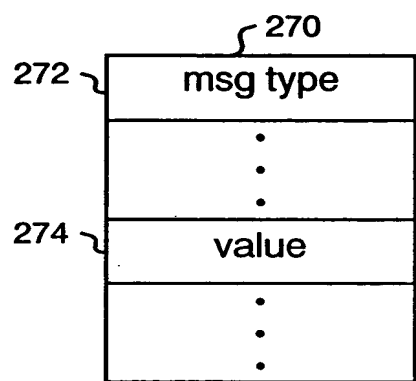


FIG. 16D

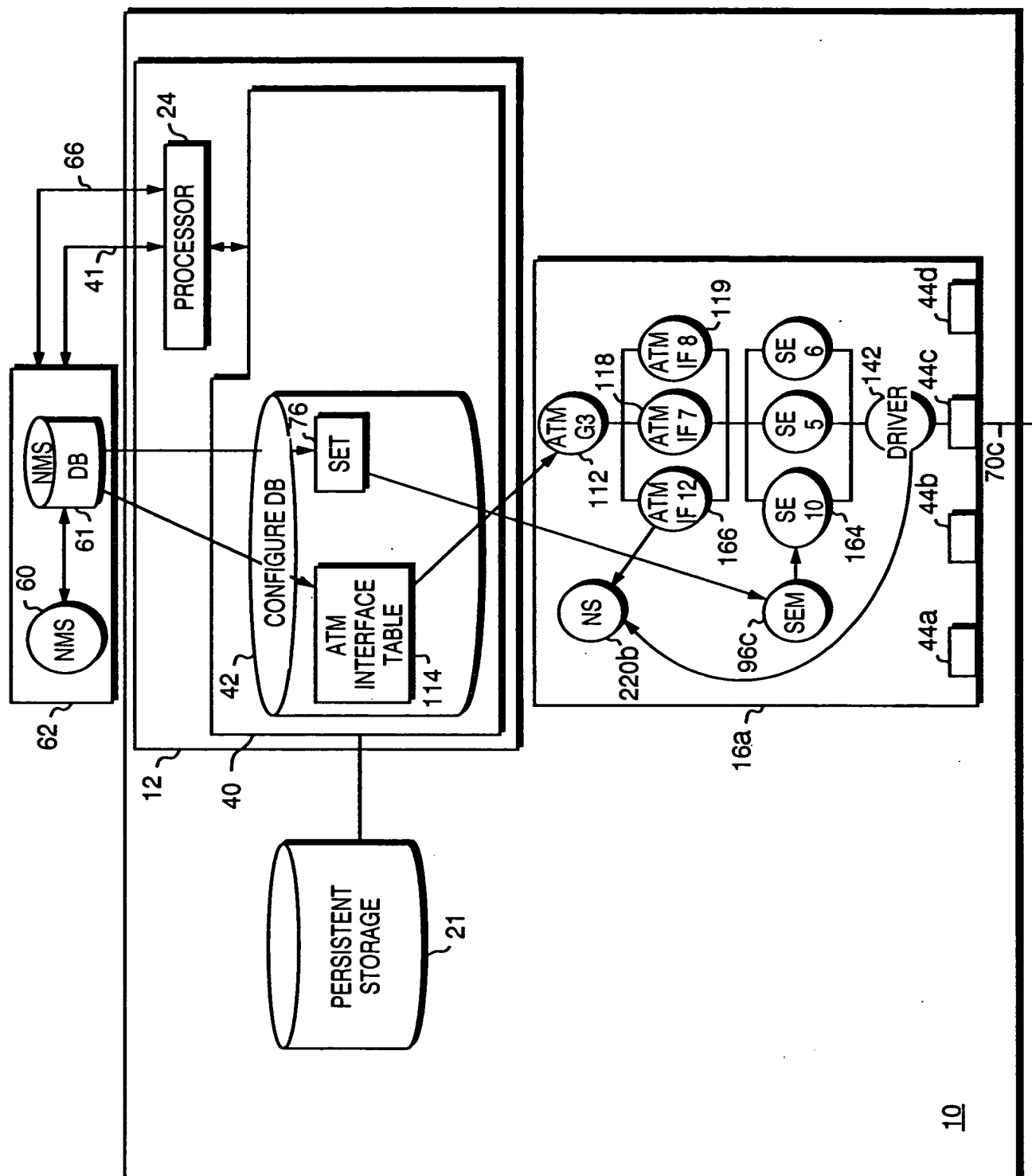


FIG. 17

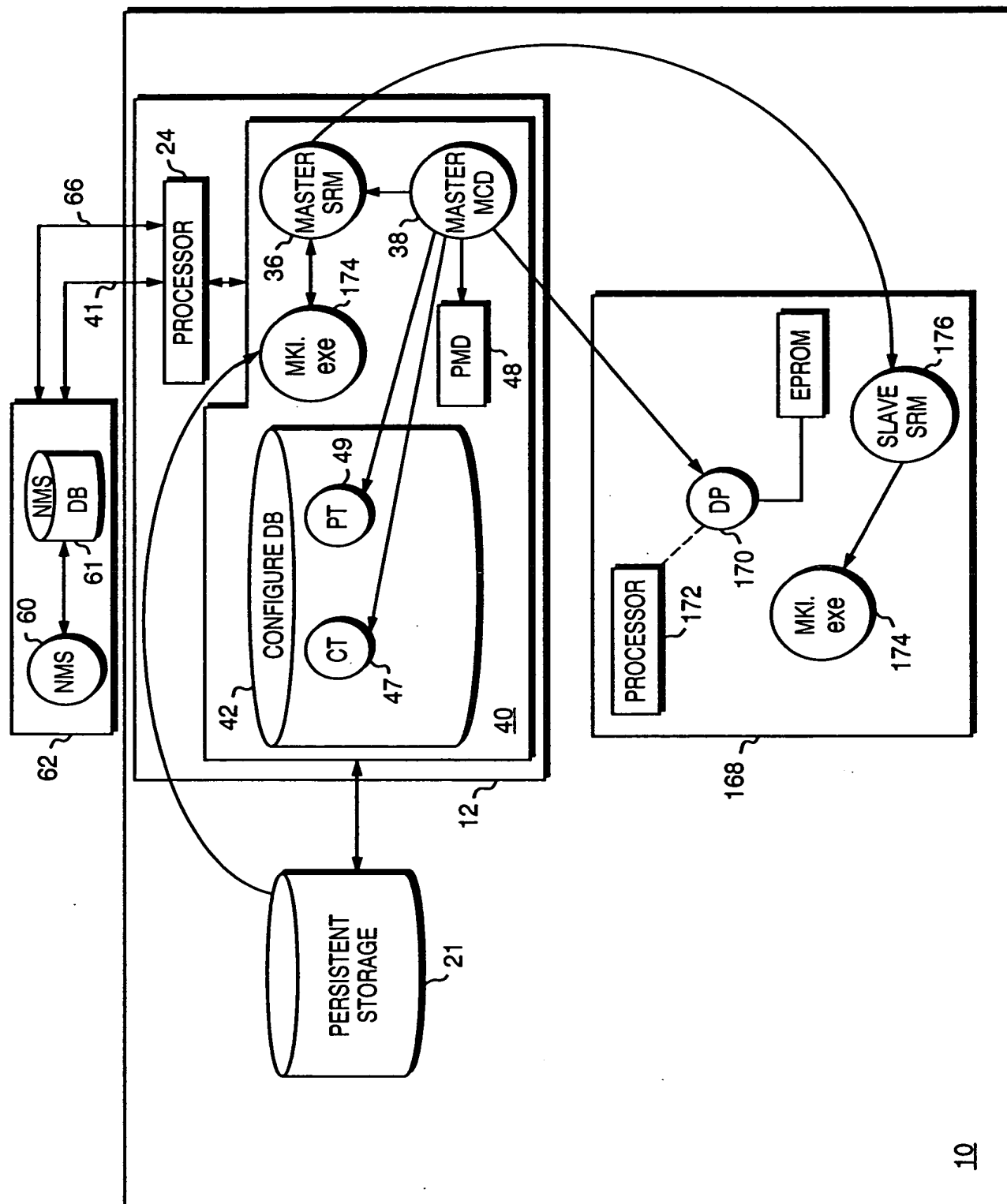


FIG. 18

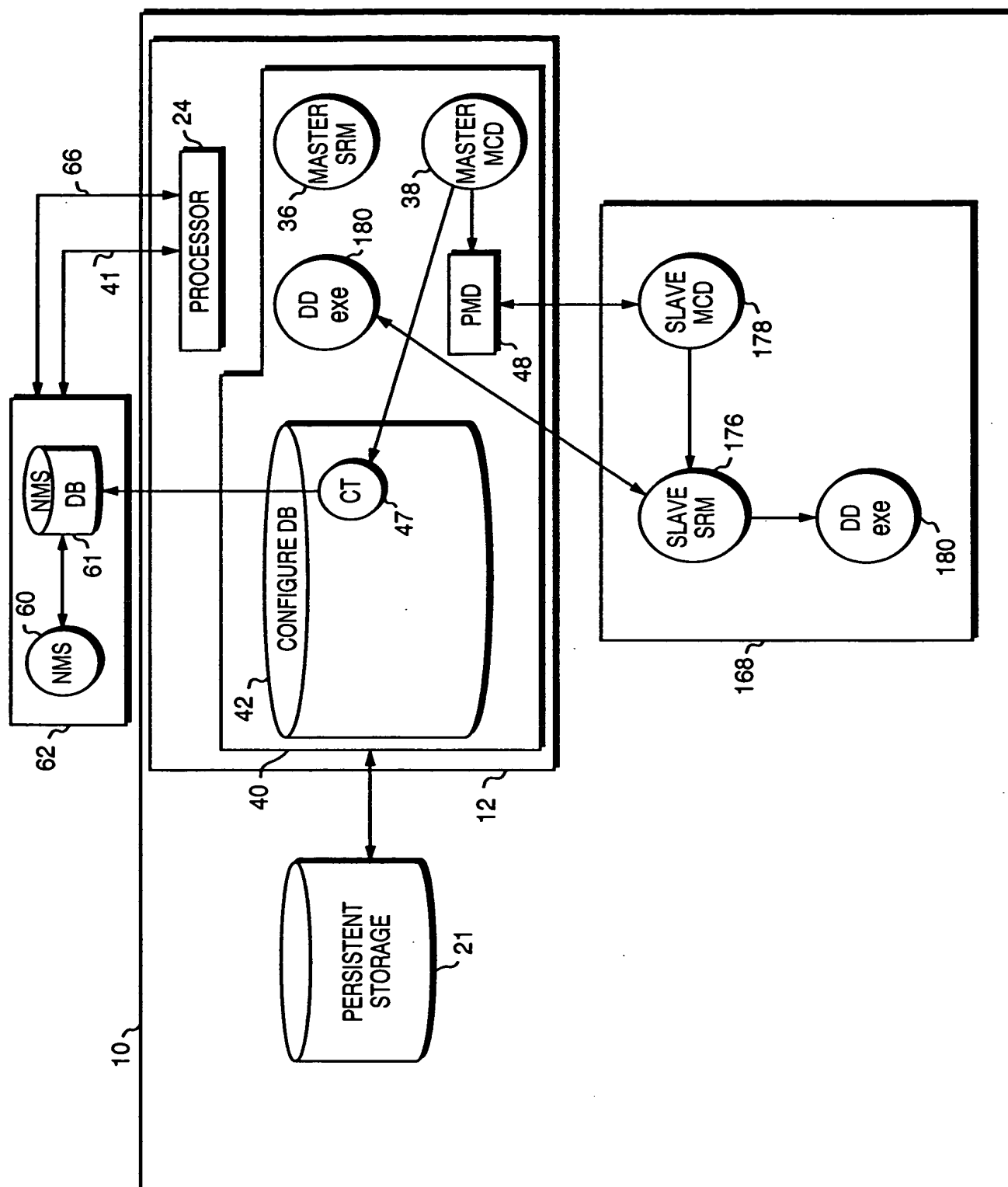


FIG. 19

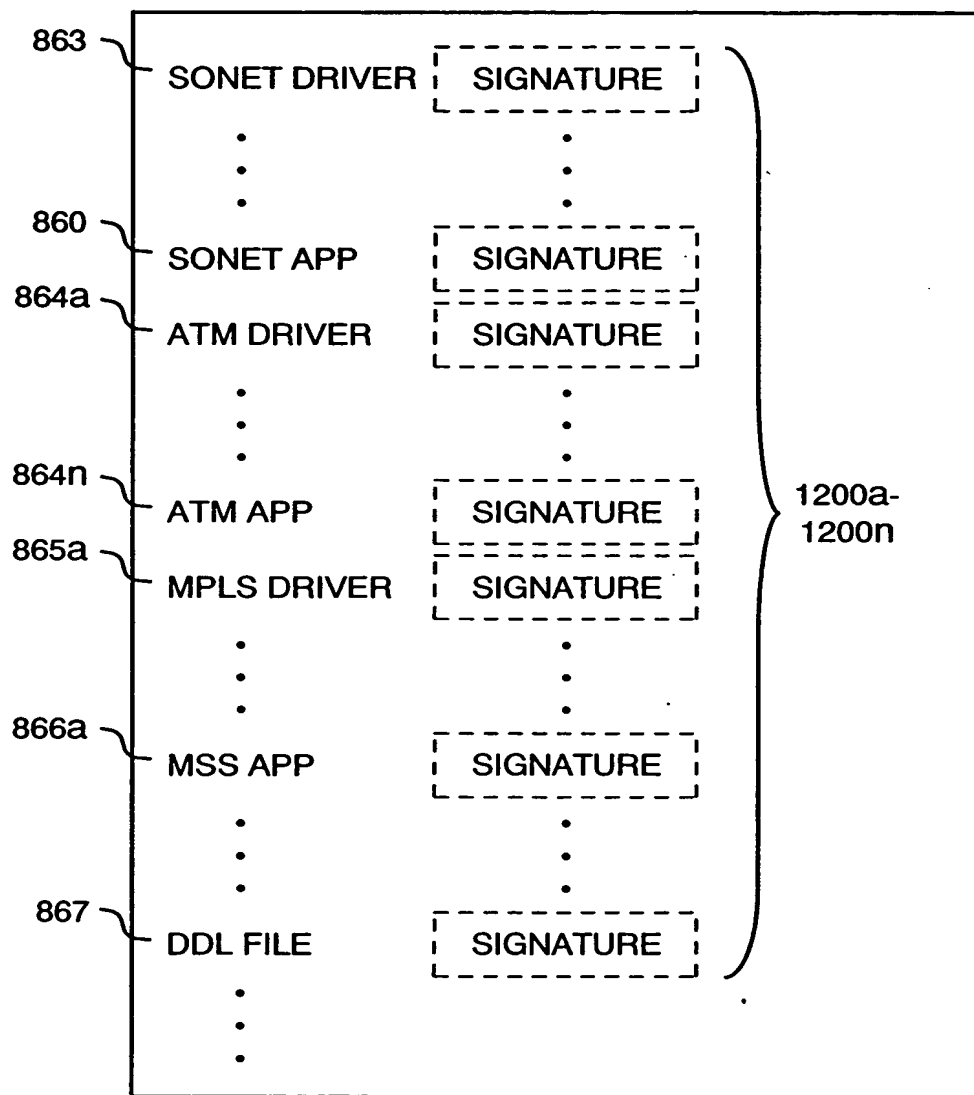
PACKAGING LIST 1200

FIG. 20A

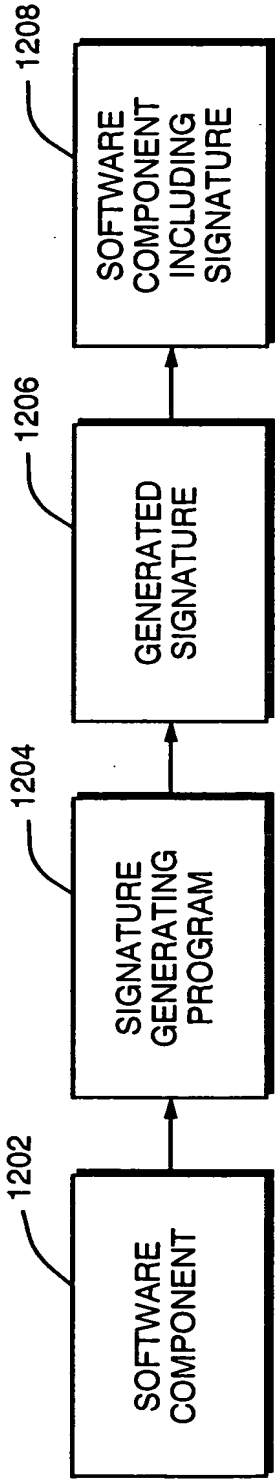


FIG. 20B

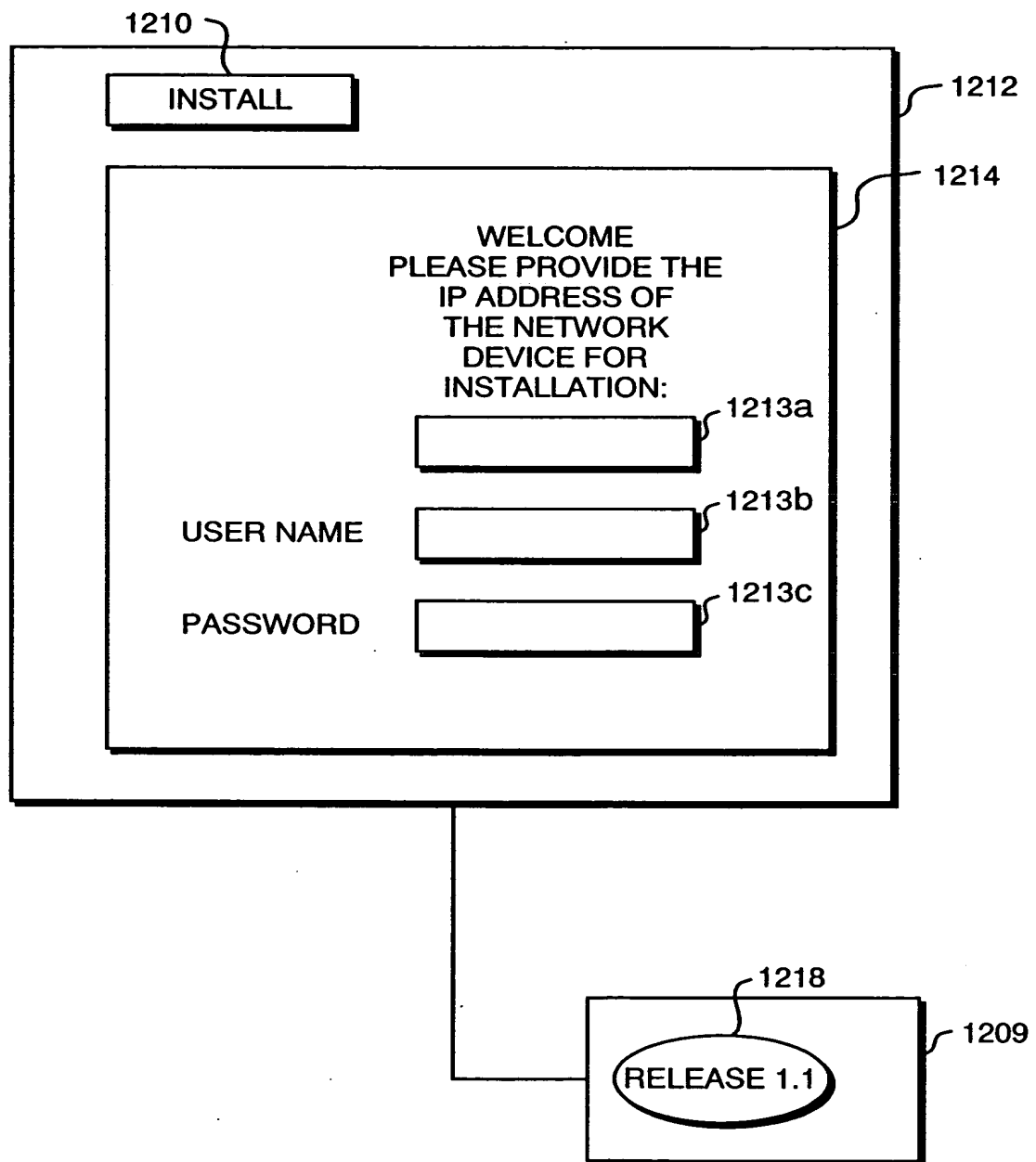


FIG. 20C

186/289

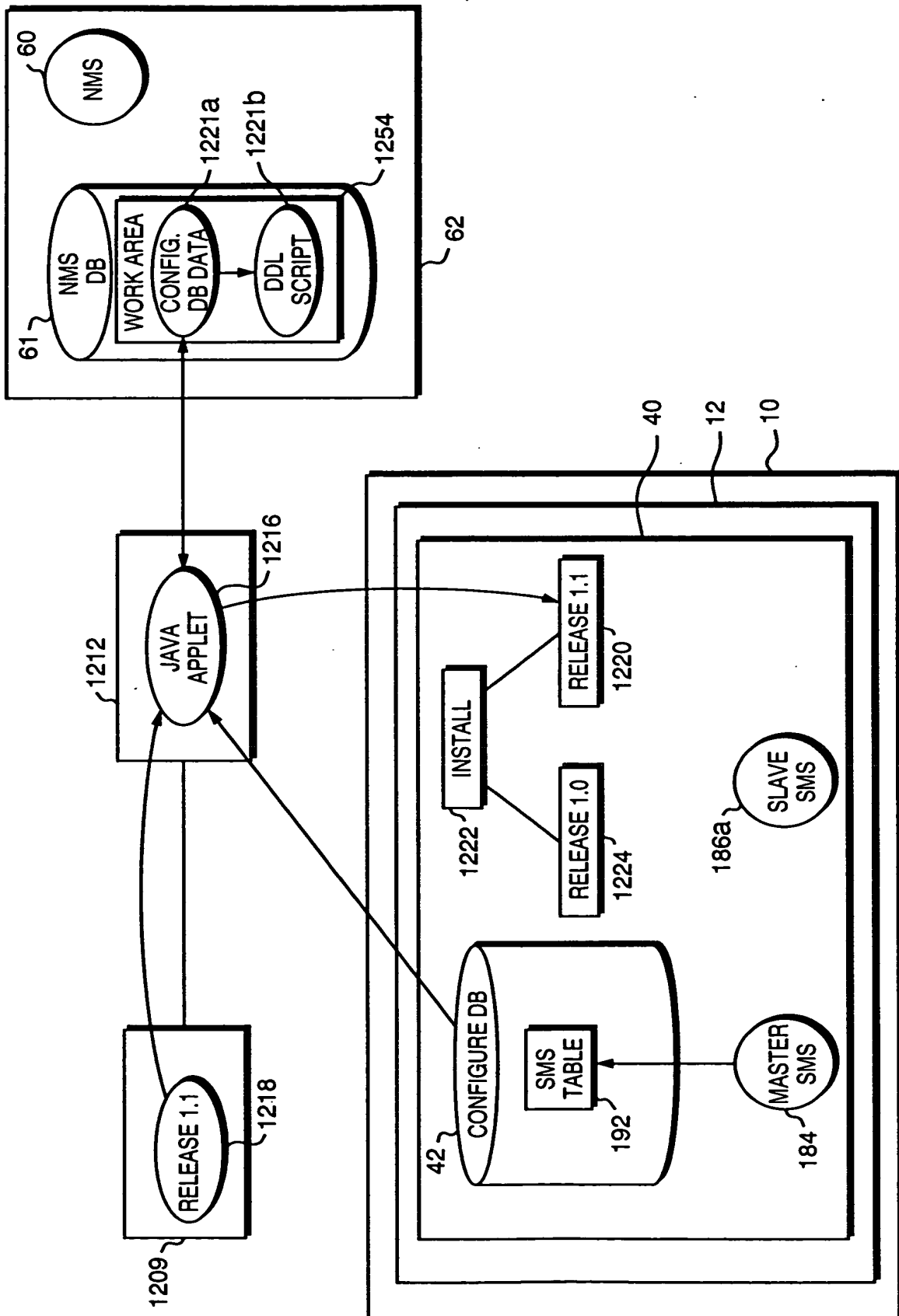


FIG. 20D

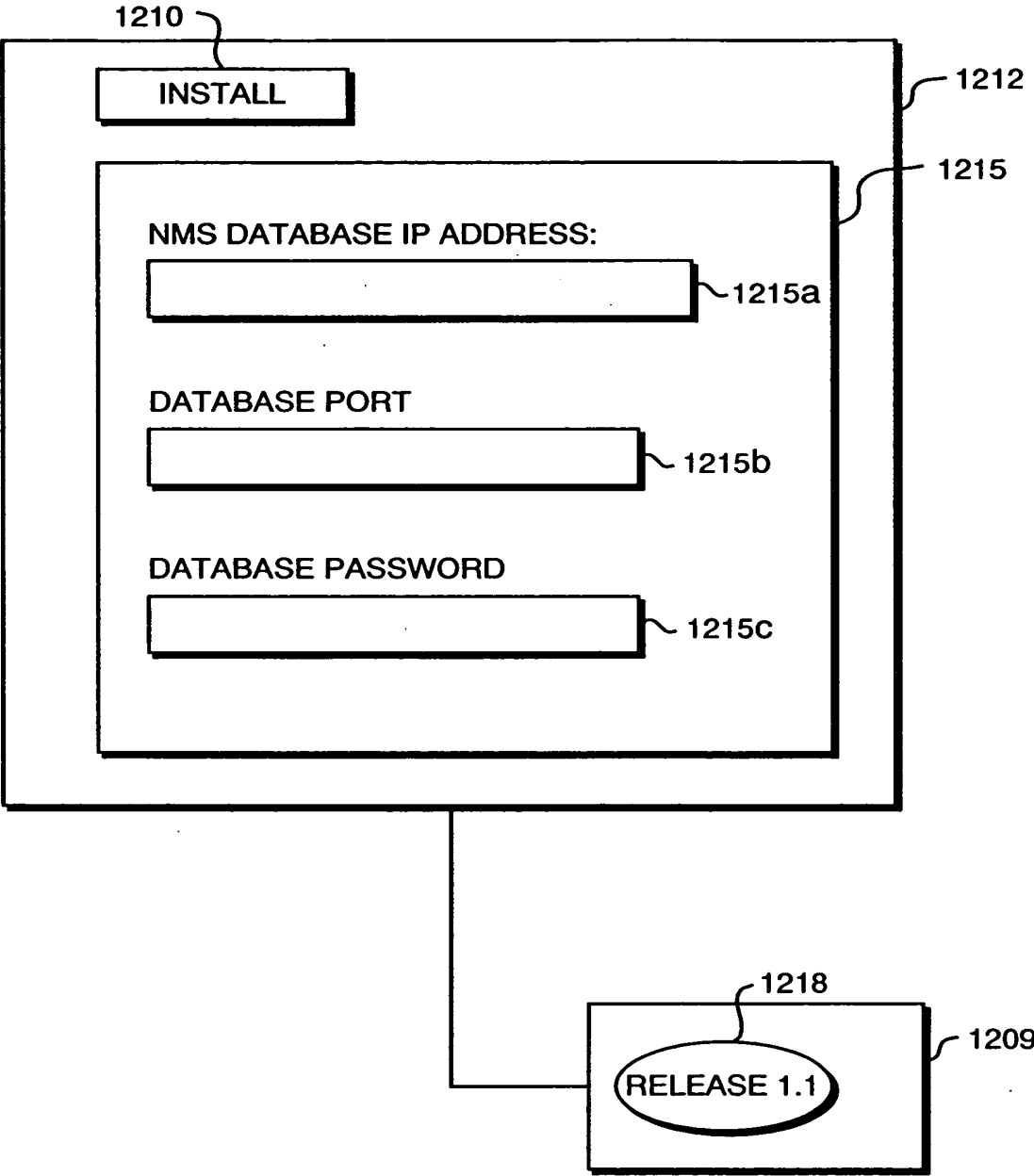


FIG. 20E

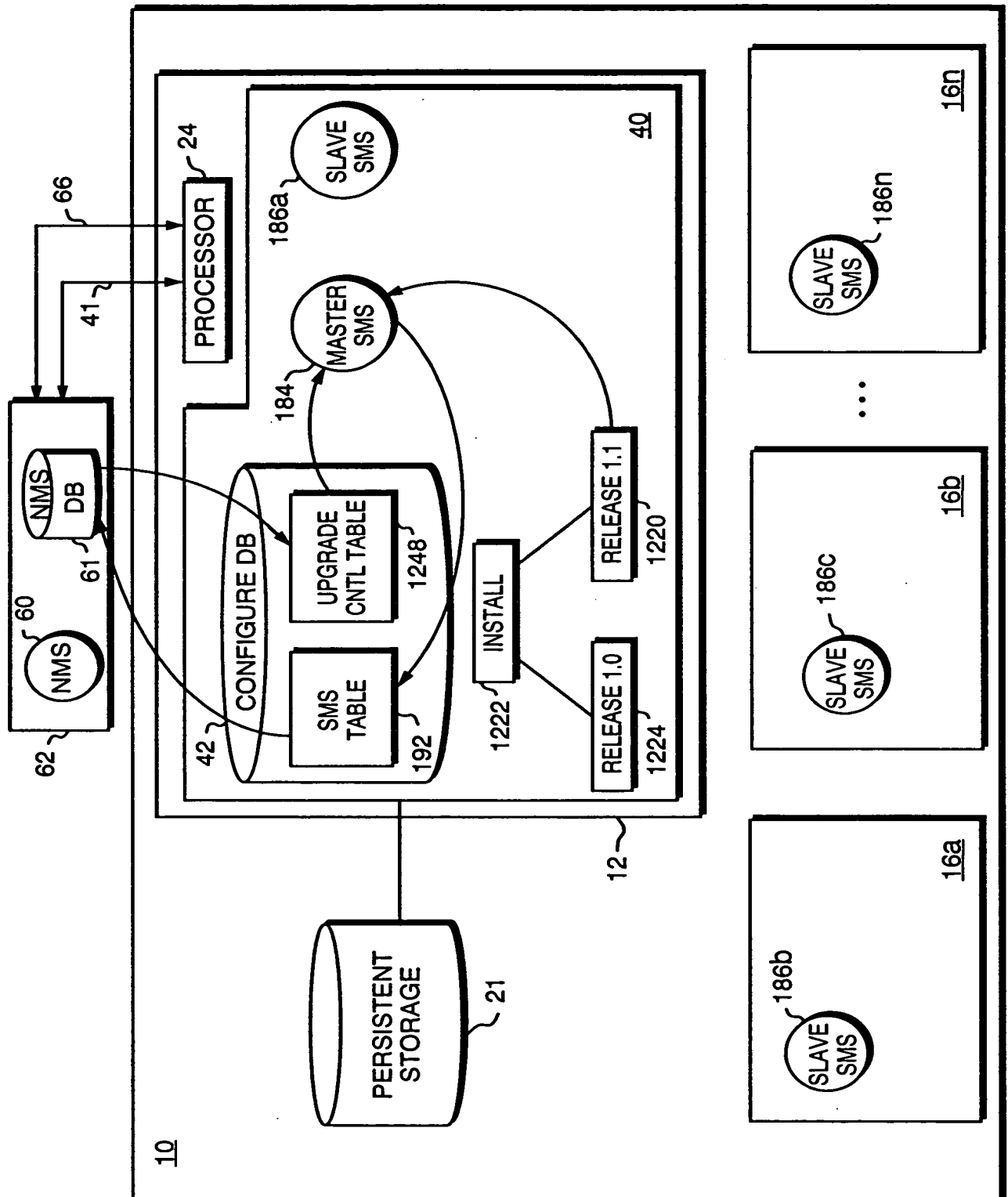


FIG. 21A

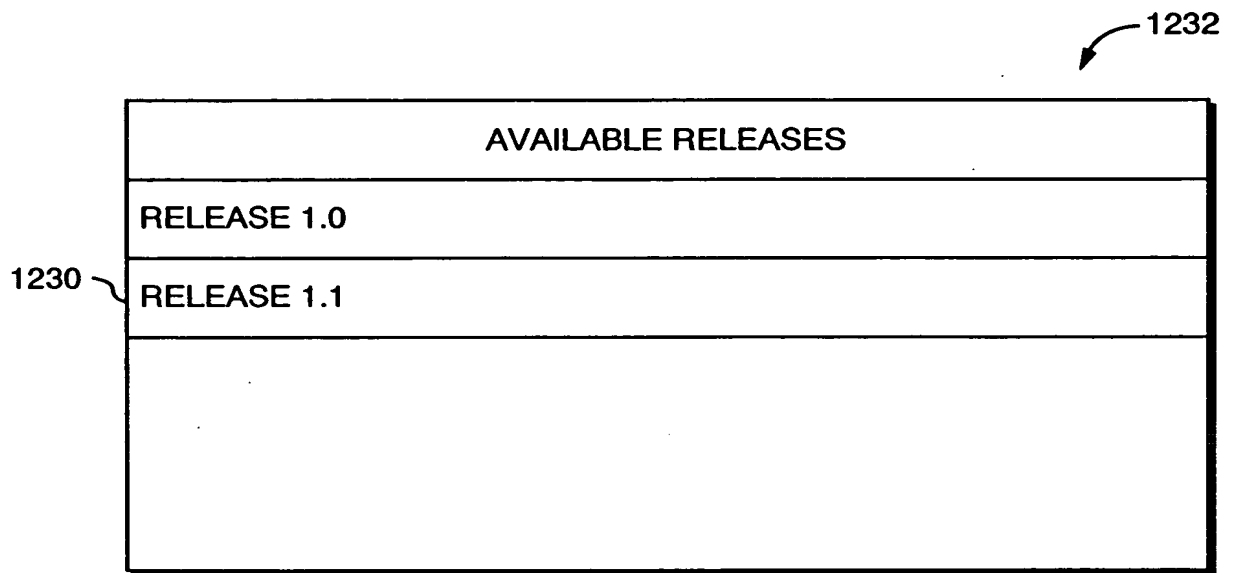
SMS TABLE 192

1227 {

1226 IMAGE LID	1228 VERIFICATION STATUS	1230 UPGRADE MODES	...
9623	PASSED	x2348	...
•	•	•	•
•	•	•	•
•	•	•	•

FIG. 21B

190/289



The diagram shows a table with four rows. The first row is a header row labeled 'AVAILABLE RELEASES'. The second row is labeled 'RELEASE 1.0'. The third row is labeled 'RELEASE 1.1'. The fourth row is empty. A bracket labeled '1230' spans the second and third rows. An arrow labeled '1232' points to the top right corner of the table.

AVAILABLE RELEASES	
RELEASE 1.0	
RELEASE 1.1	

FIG. 21C

895

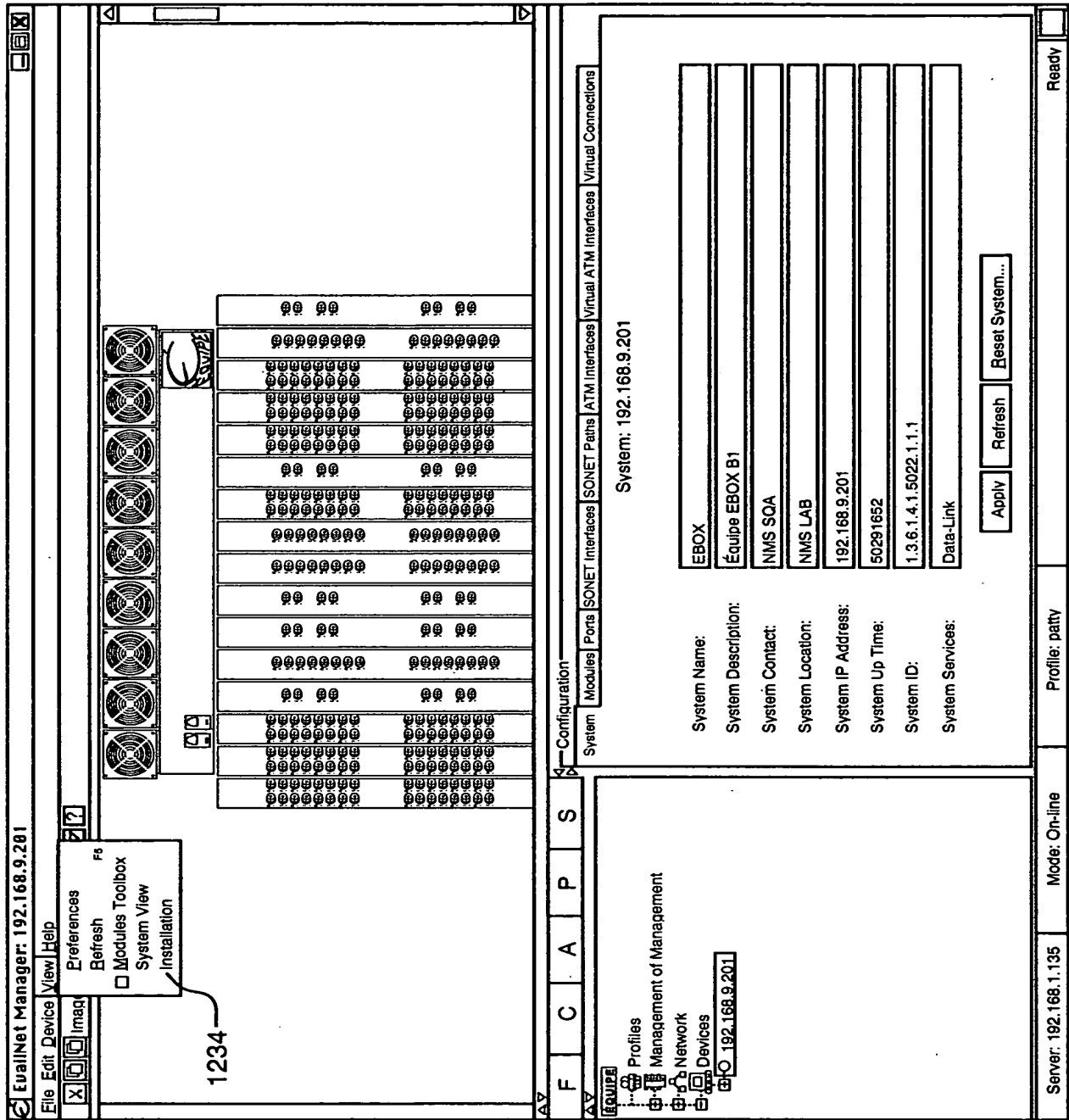


FIG. 21D

IMAGE CONTROL

1238

☐

DELETE

1239

☐

RE-VERIFY

1240

☐

INSTALL

1236

FIG. 21E

UPGRADE MODE

1243

☐

HOT

1244

☐

COLD

1245

☐

ENTIRE CHASSIS

1246

☐

BOARD-BY-BOARD

1247

☐

PATH-BY-PATH

•

•

•

☐

TIME FOR INSTALLATION

1249

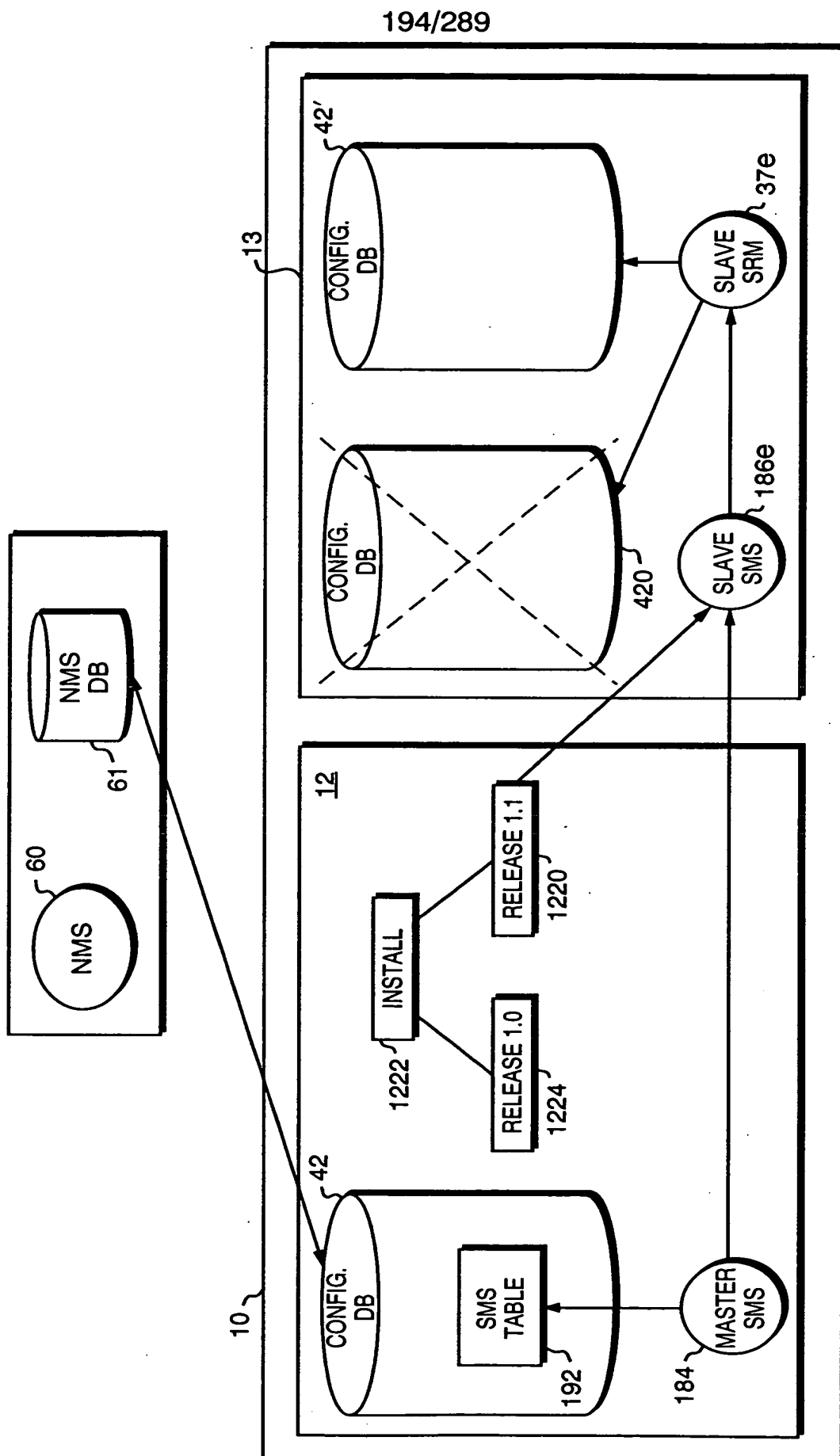
1242

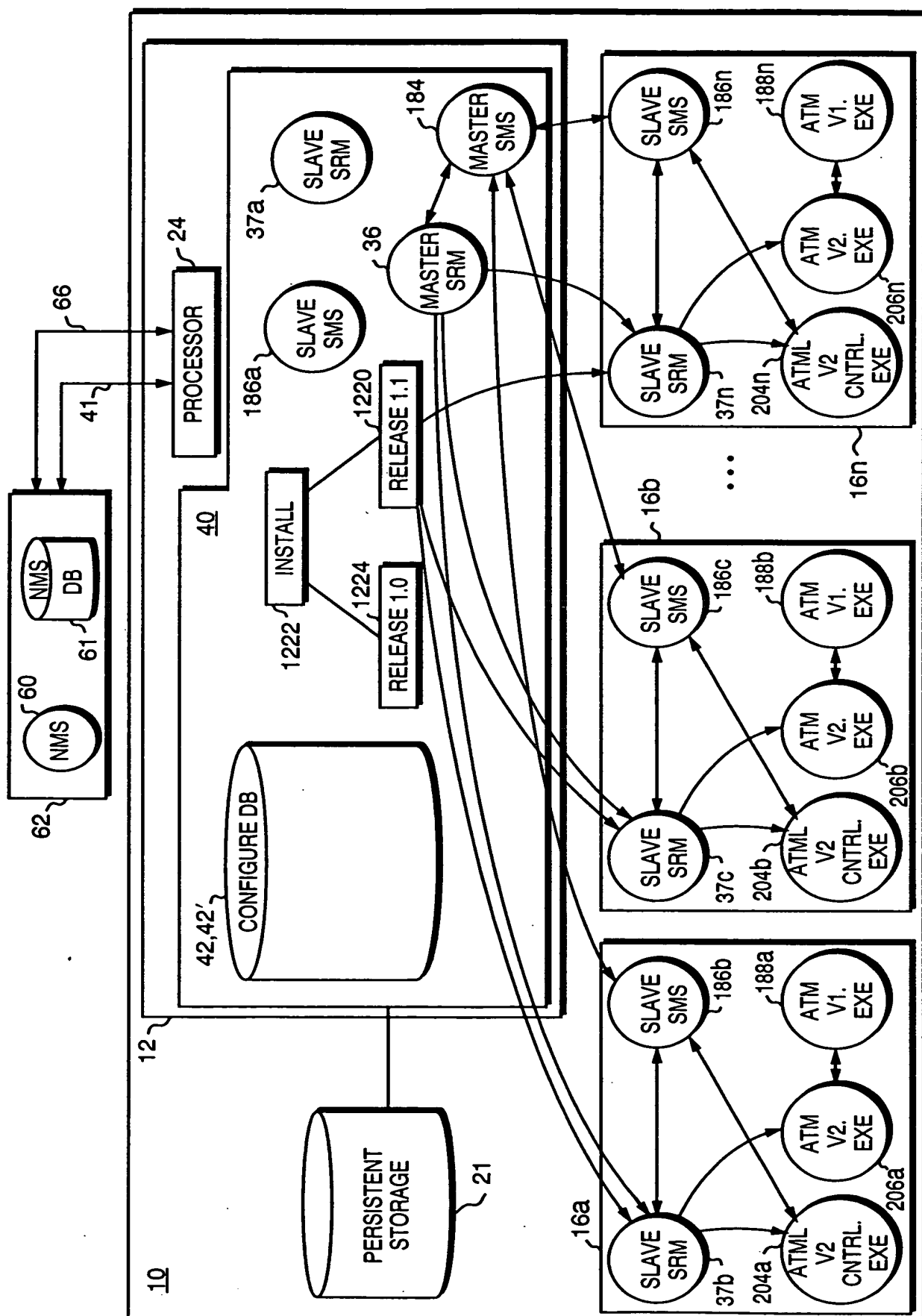
FIG. 21F

UPGRADE CONTROL TABLE 1248

		1252	1253	1255	
1250	IMAGE LID	COMMAND	TIME FOR INSTALLATION	STATUS	...
1251	9623	X2344			...
	⋮	⋮	⋮	⋮	⋮

FIG. 21G





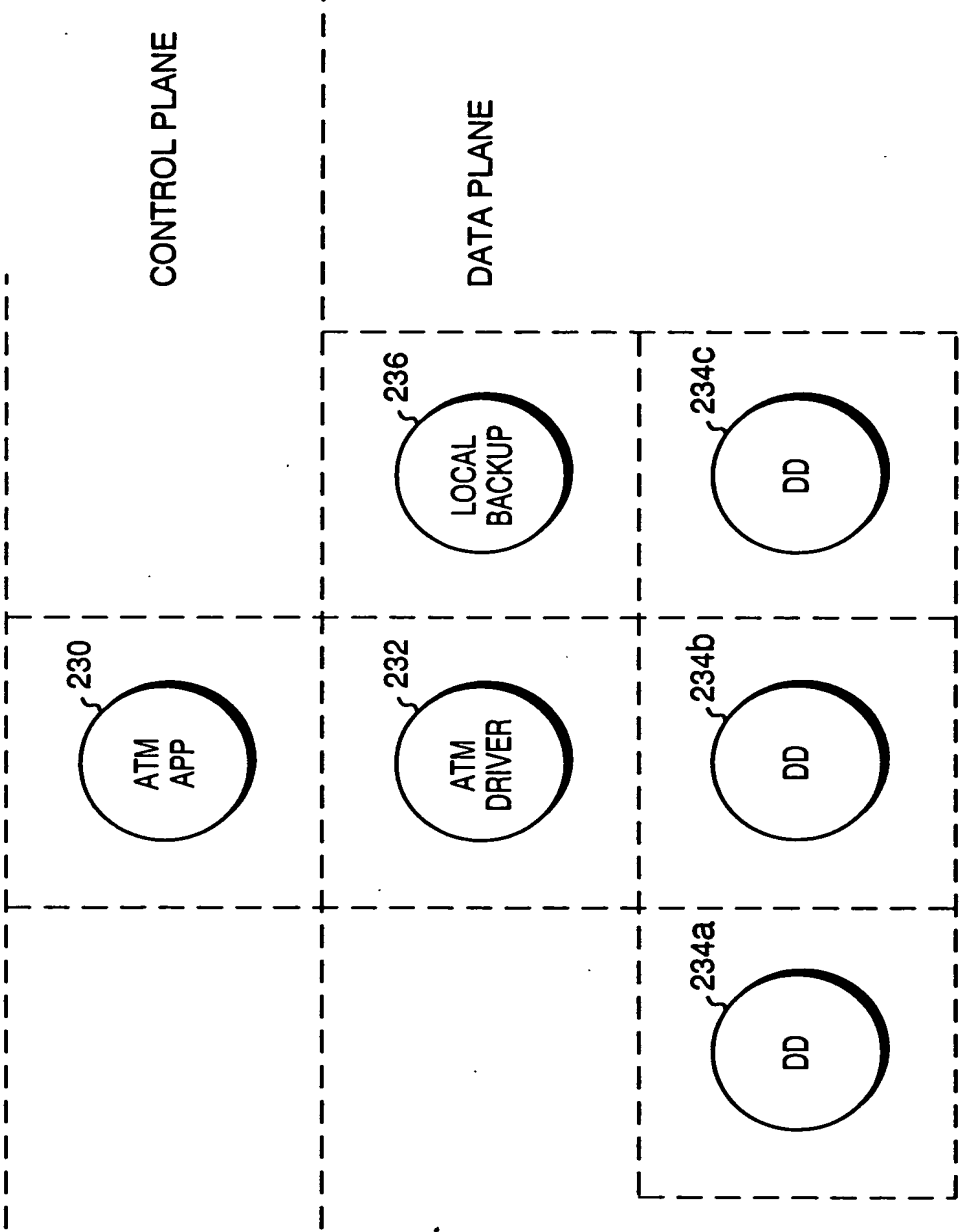


FIG. 24

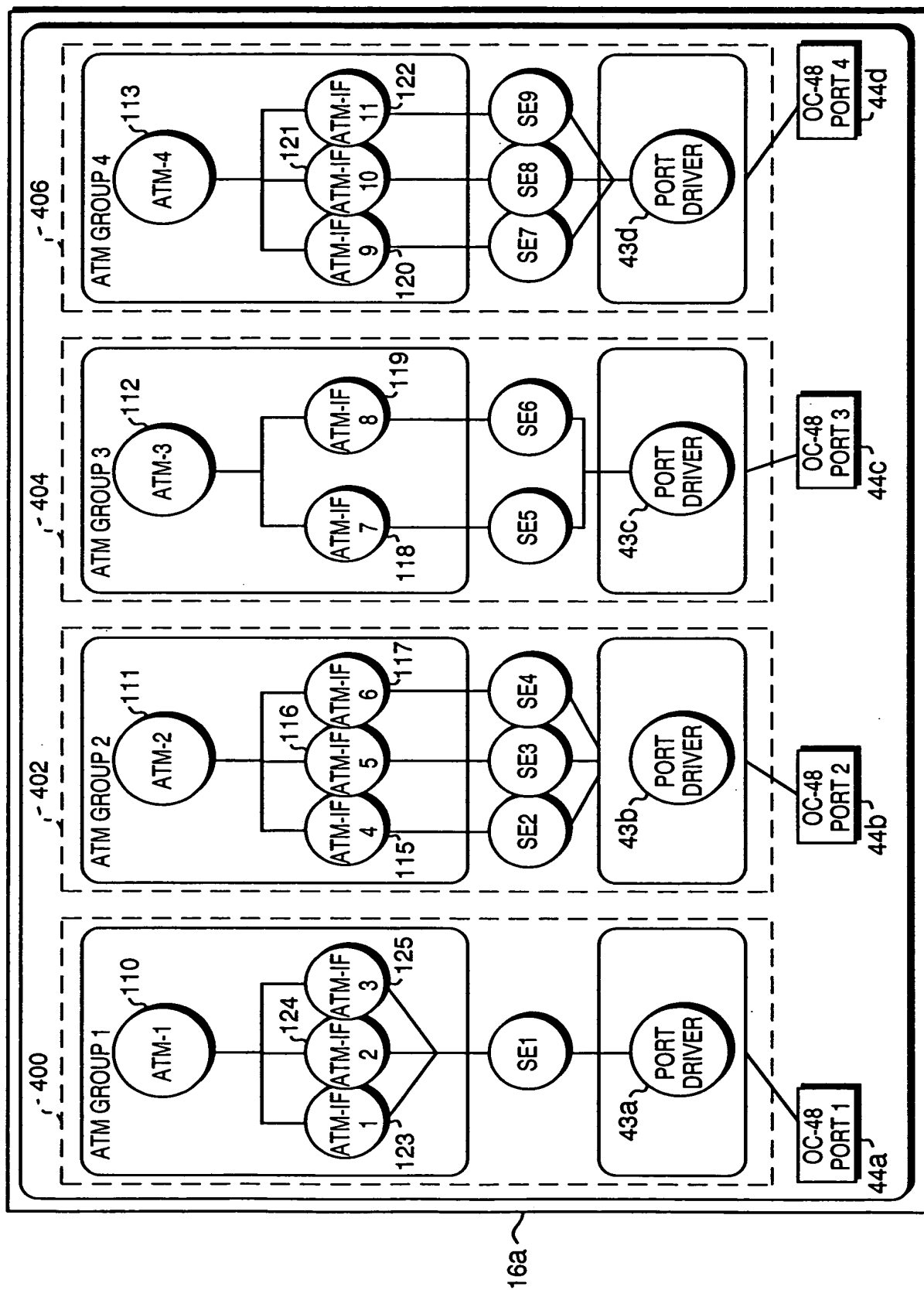


FIG. 25

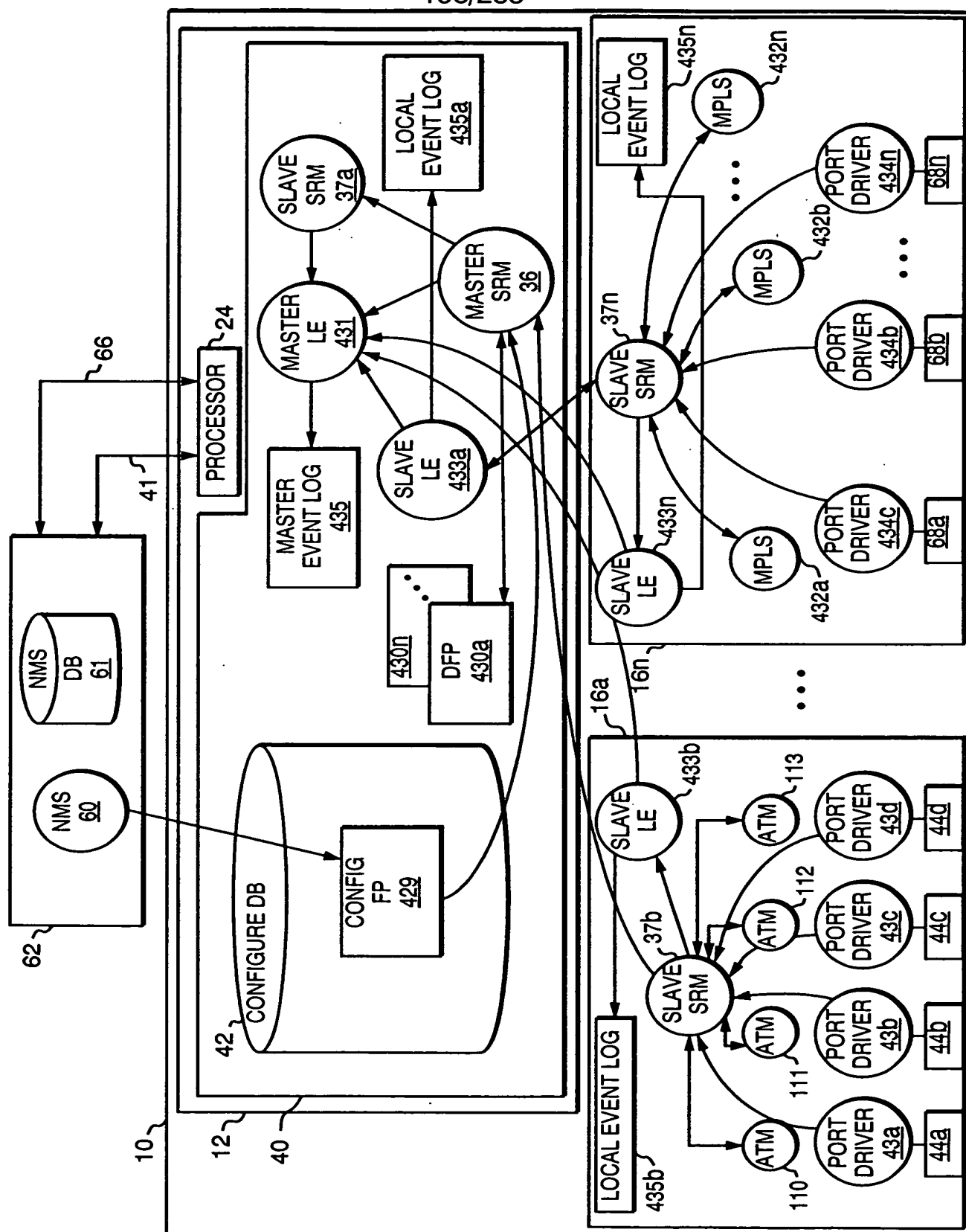


FIG. 26

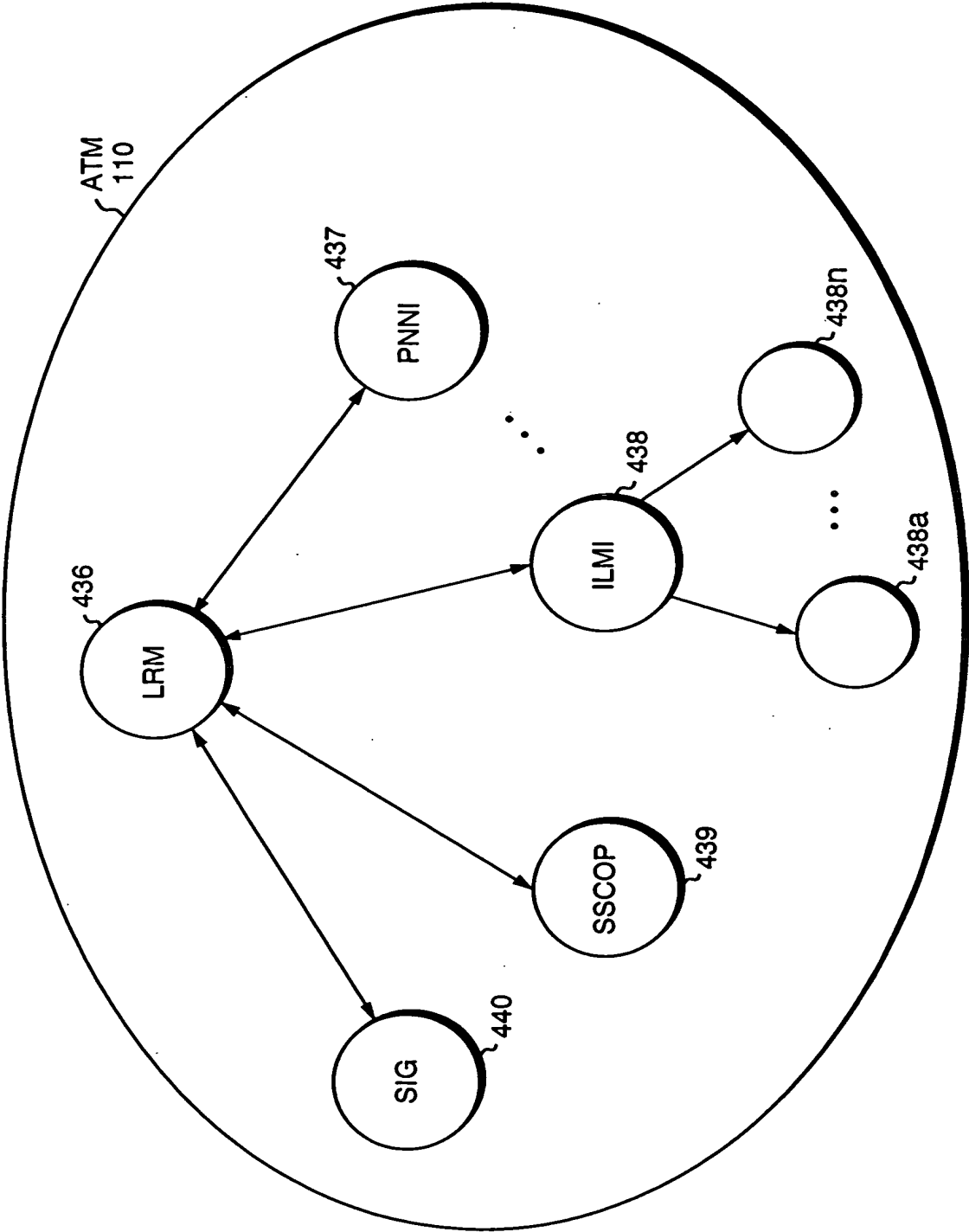


FIG. 27

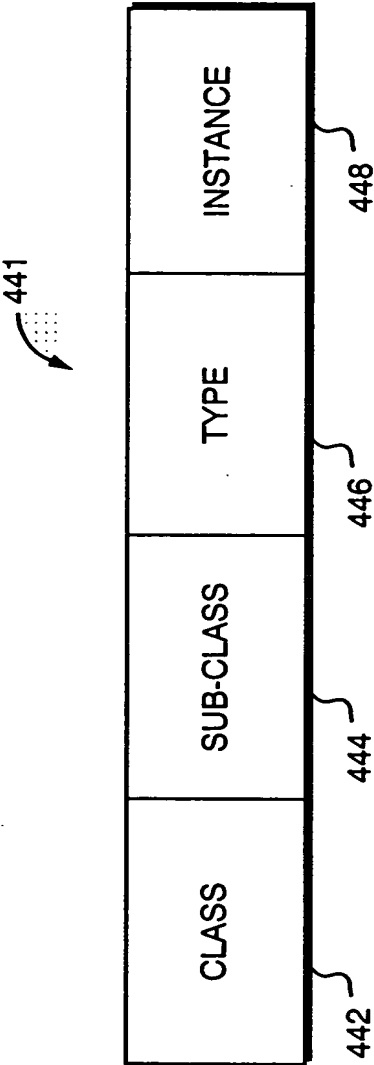


FIG. 28

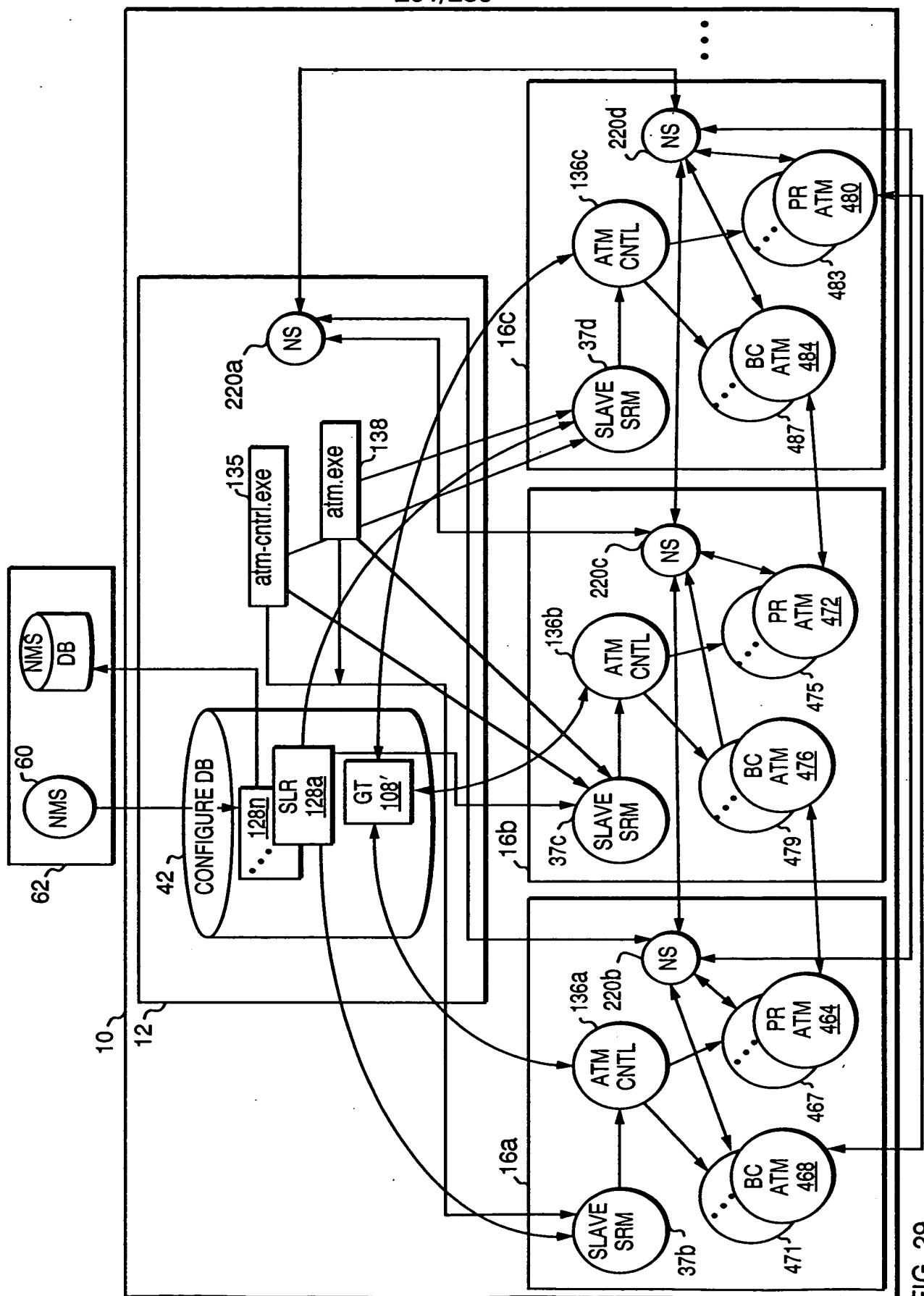


FIG. 29

GROUP TABLE 108'

		447	449	
	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	• • •	• • •	• • •	• • •

FIG. 30

203/289

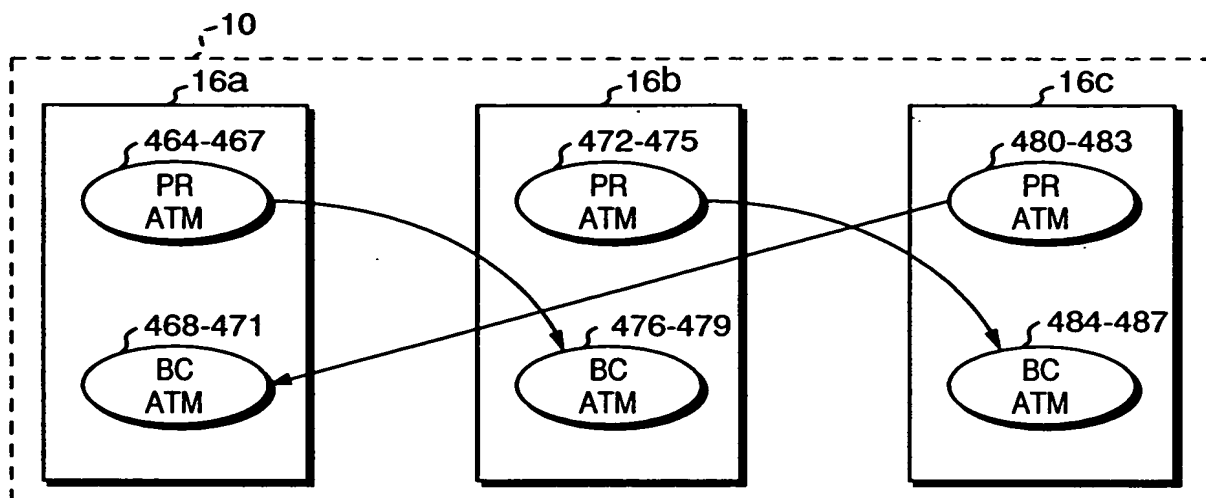


FIG. 31A

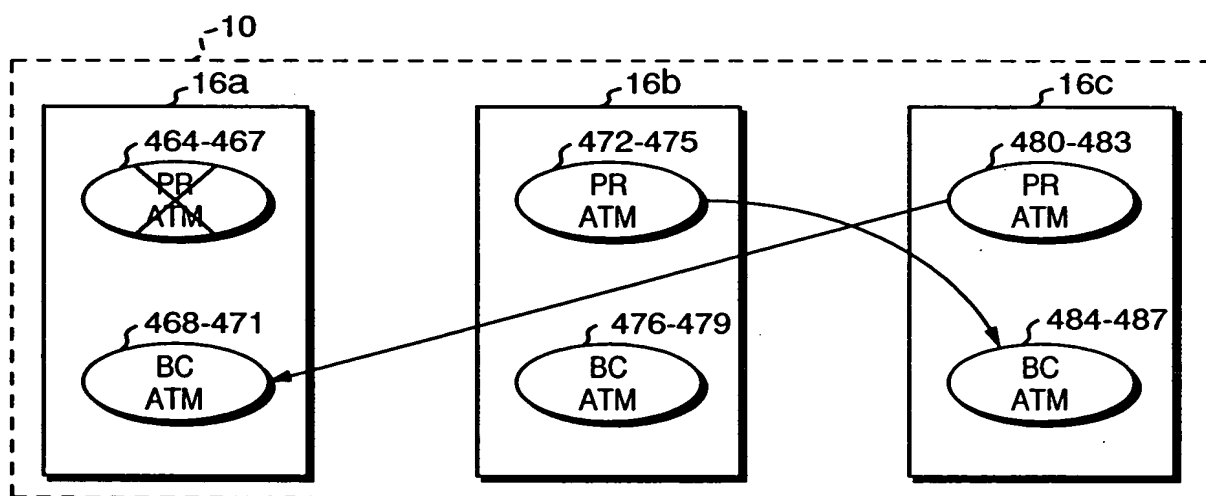


FIG. 31B

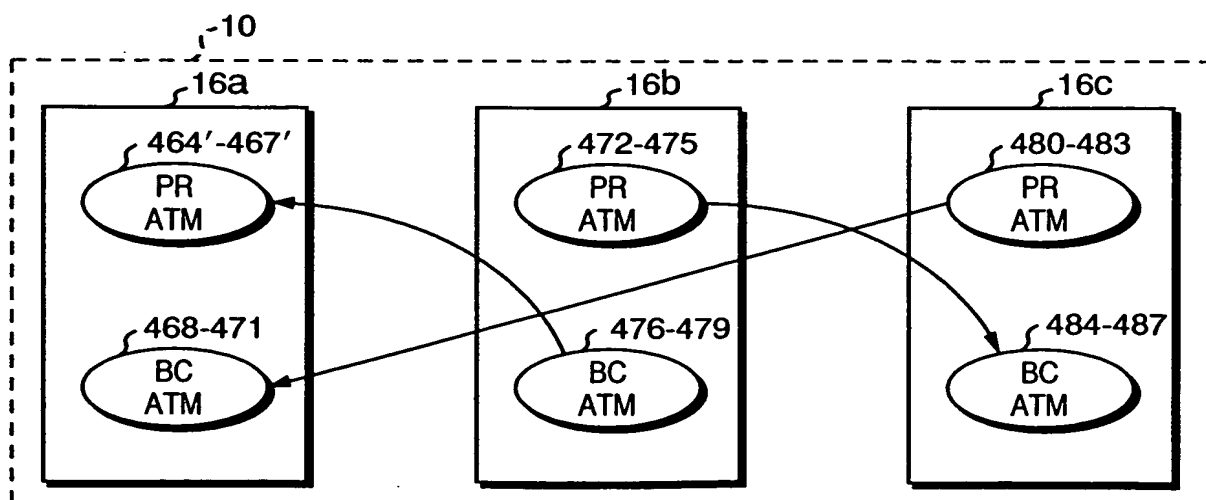


FIG. 31C

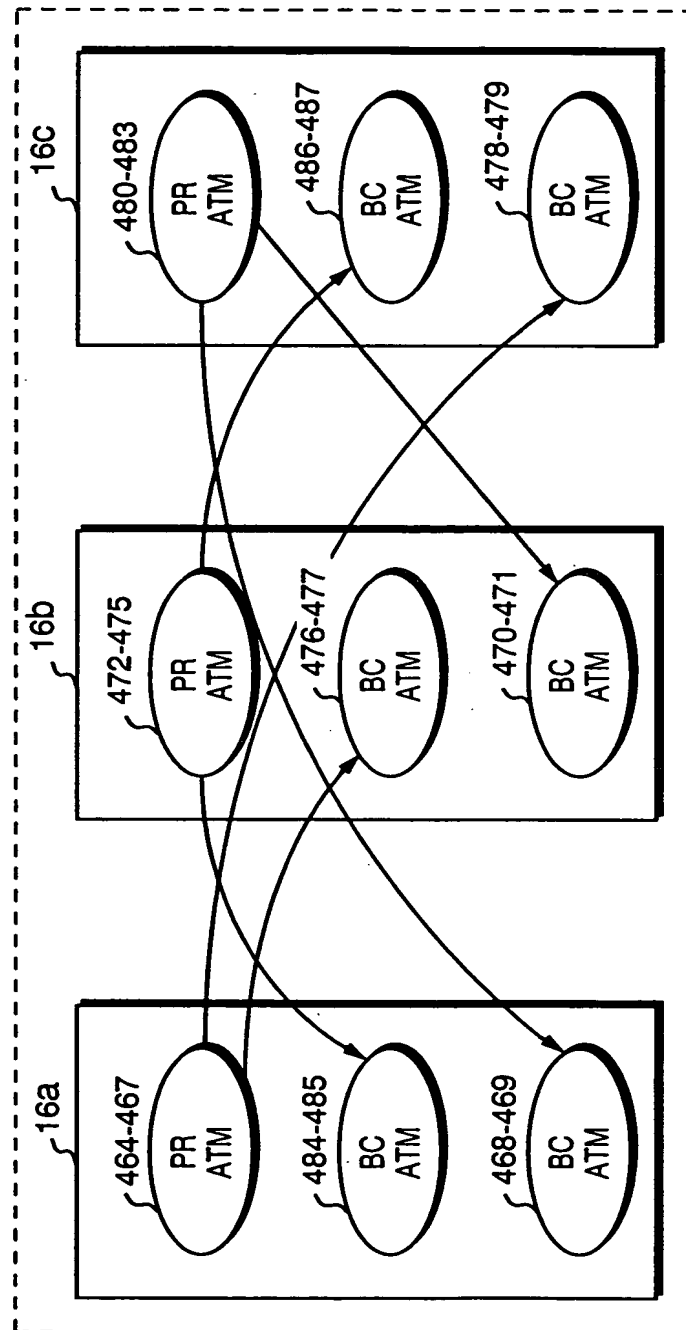


FIG. 32A

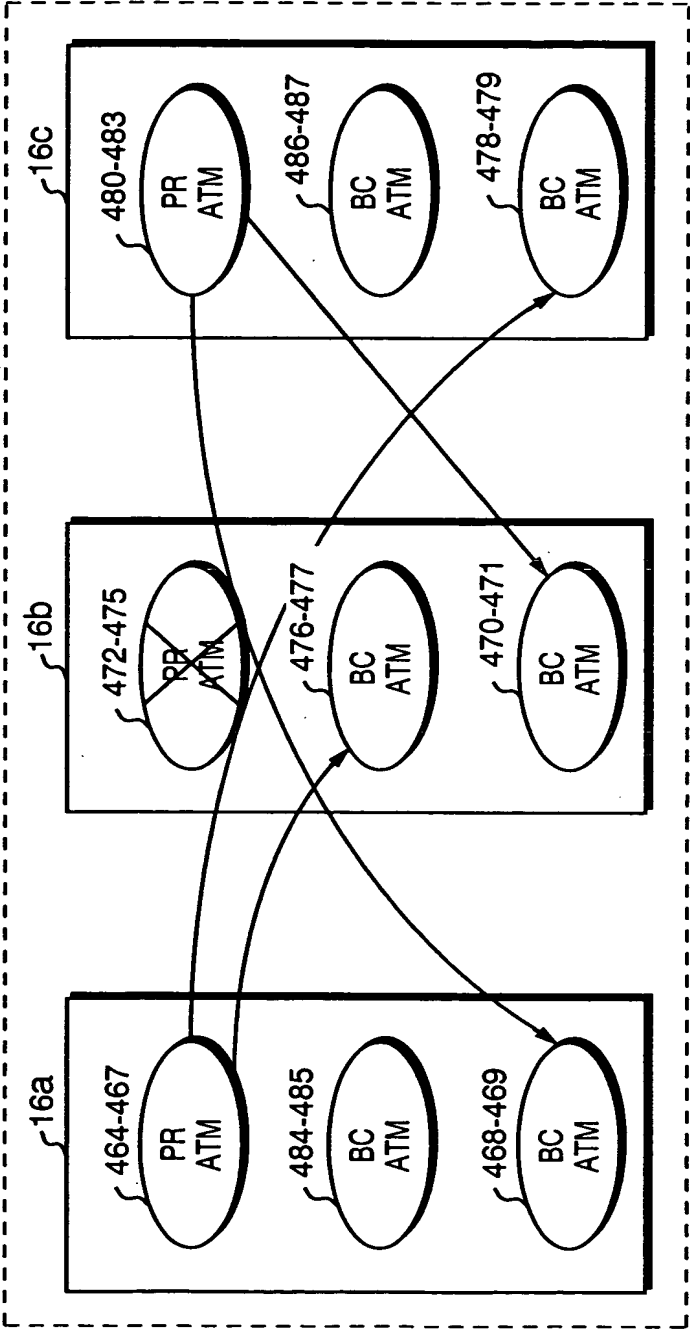


FIG. 32B

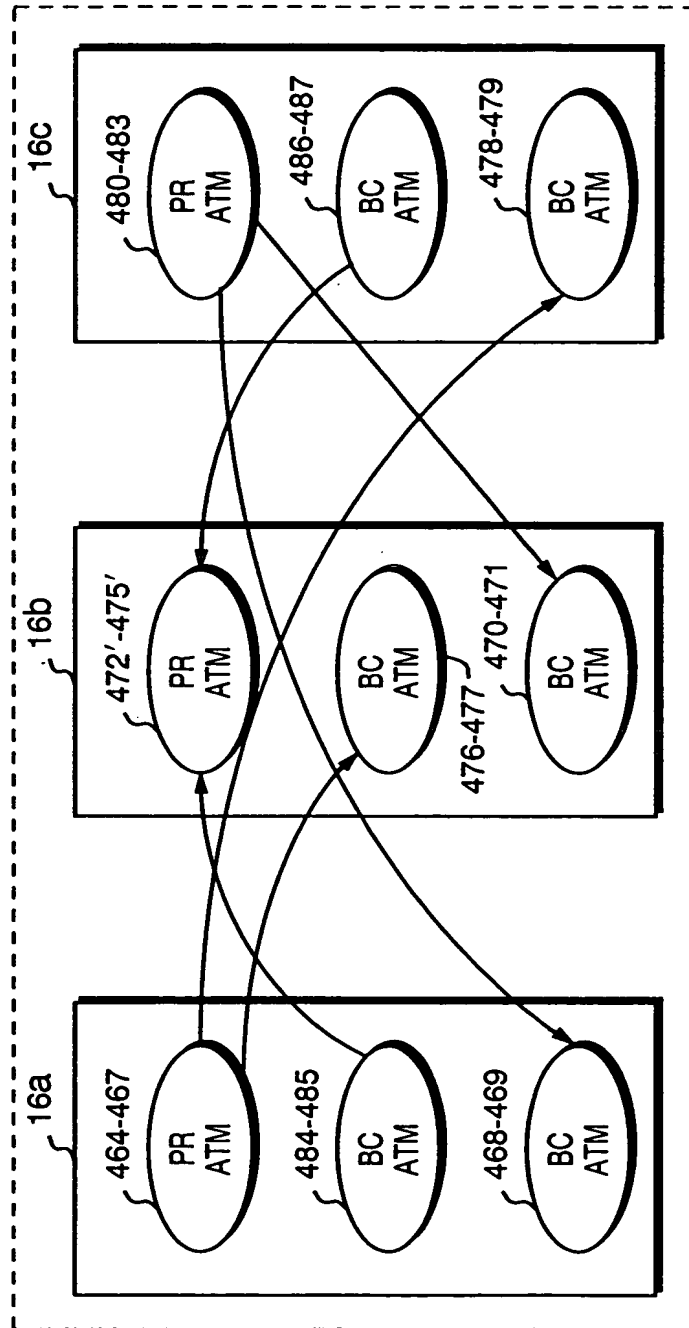


FIG. 32C

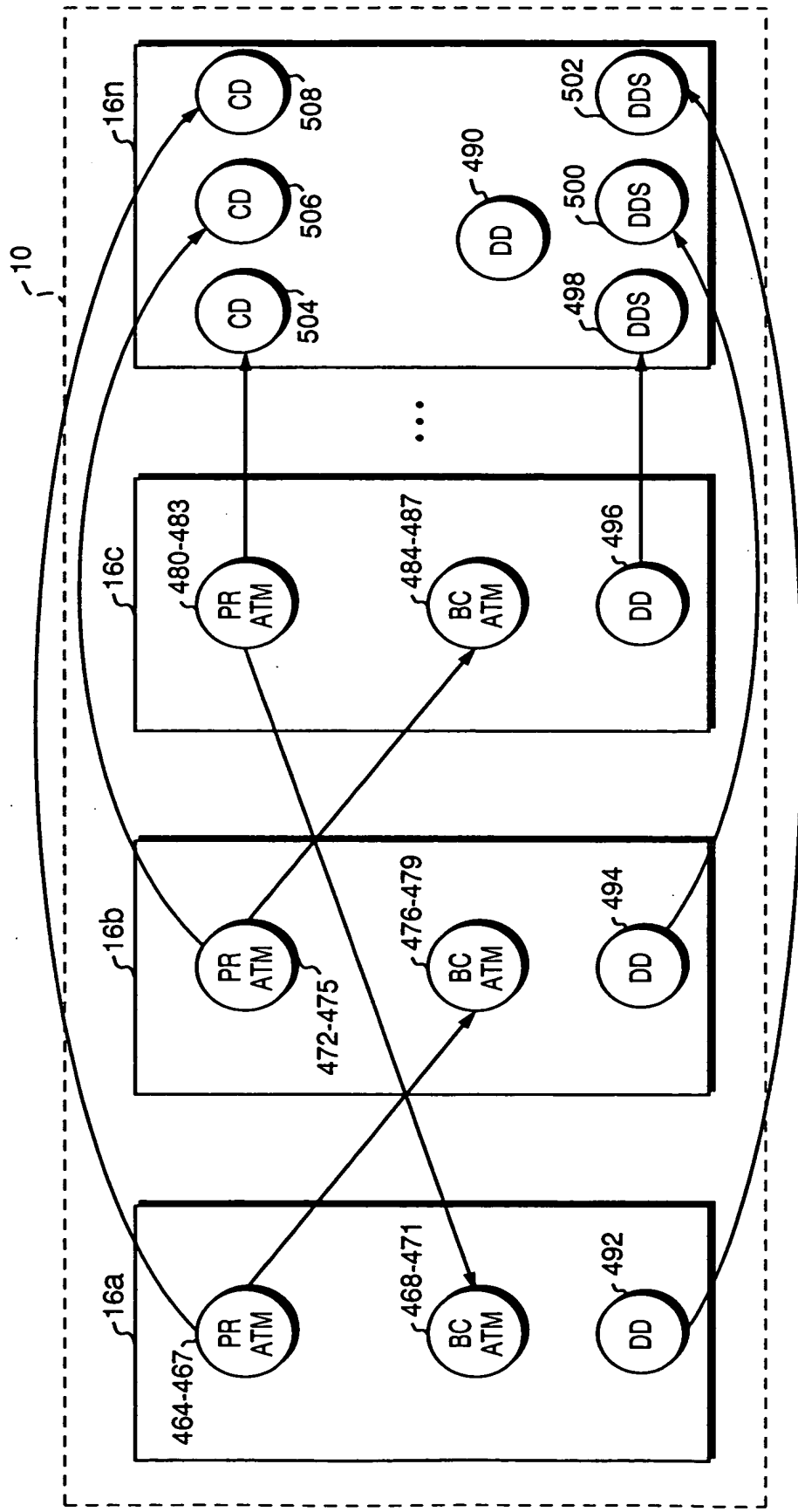


FIG. 33A

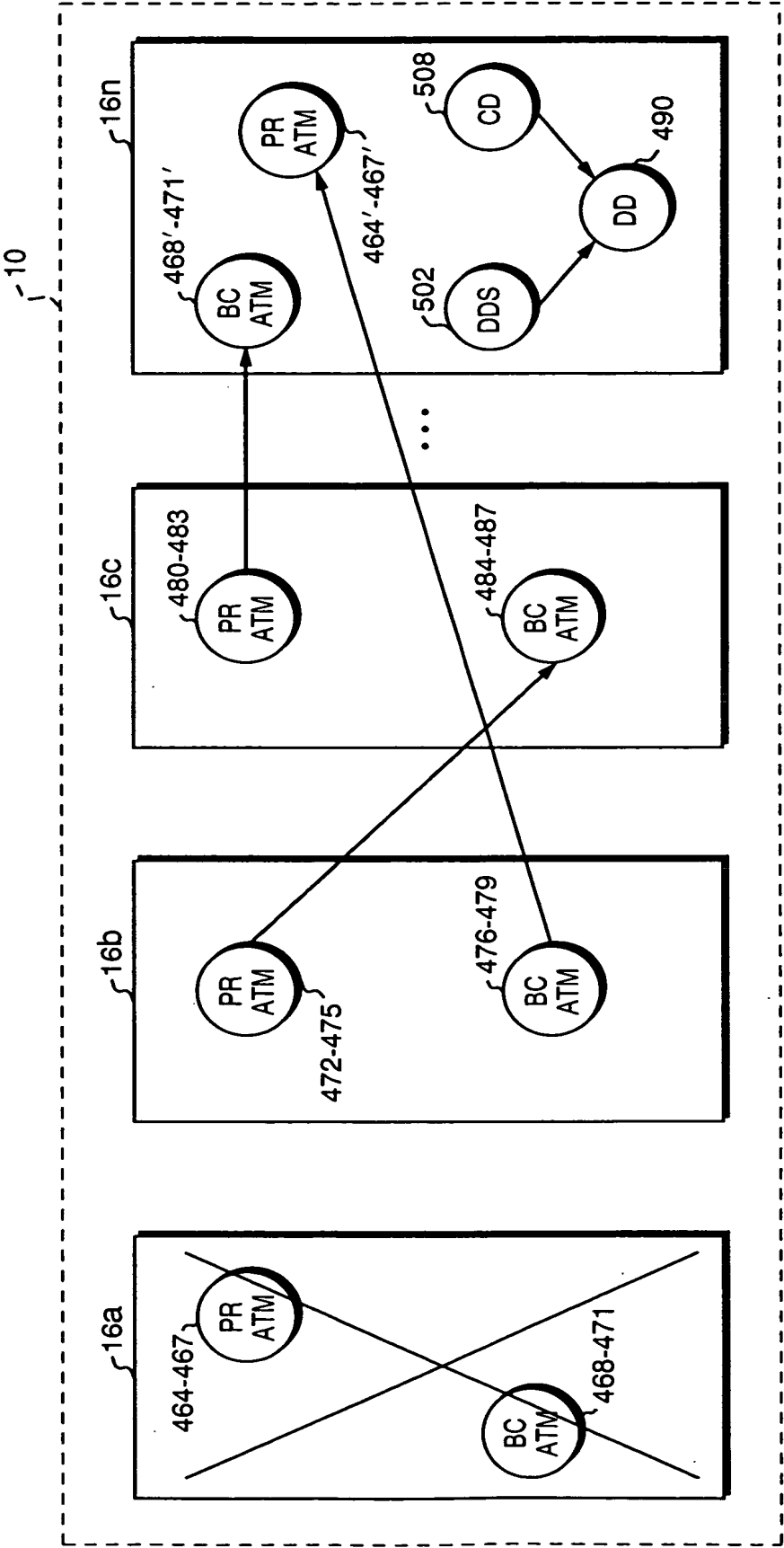


FIG. 33B

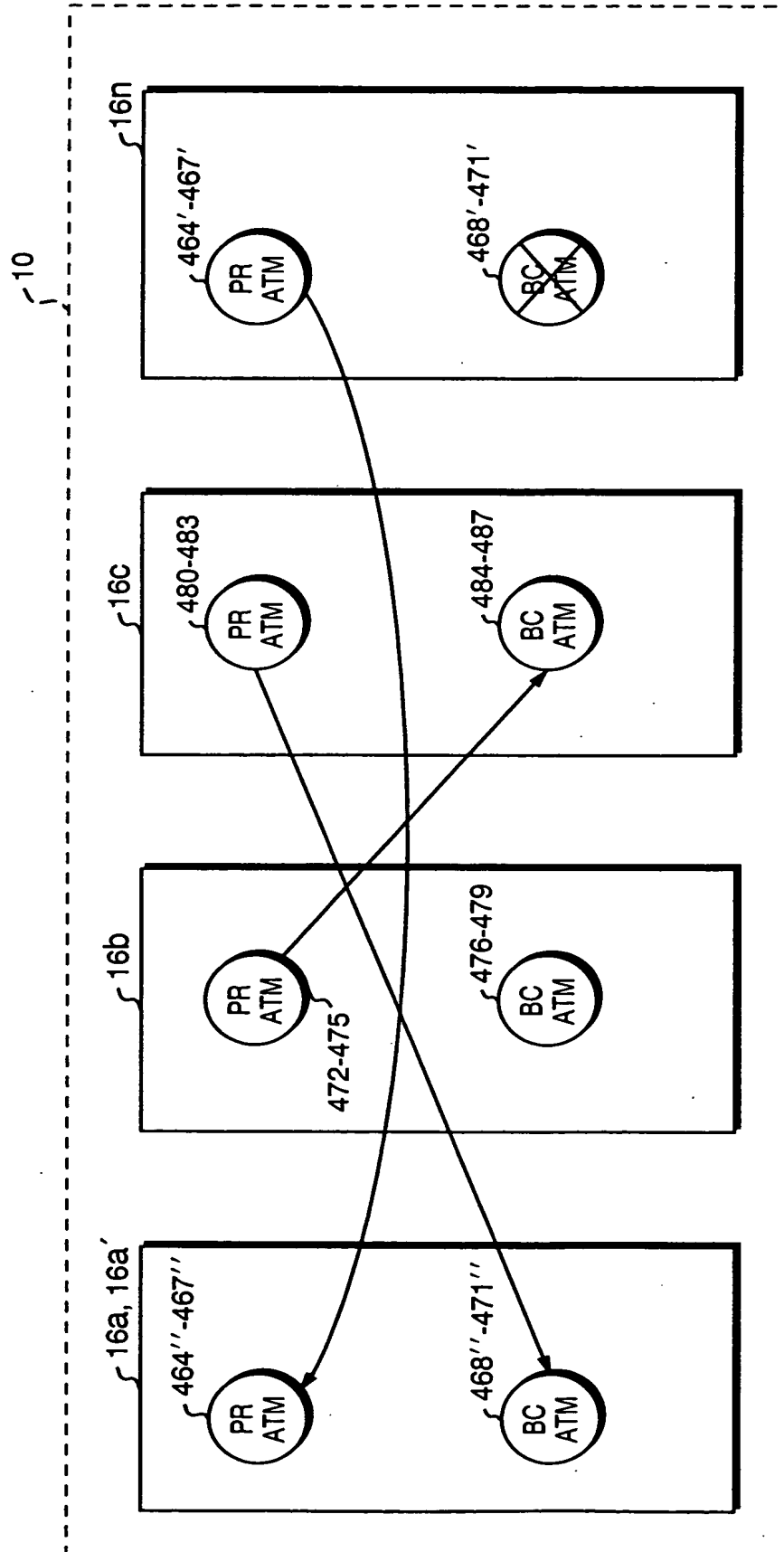


FIG. 33C

210/289

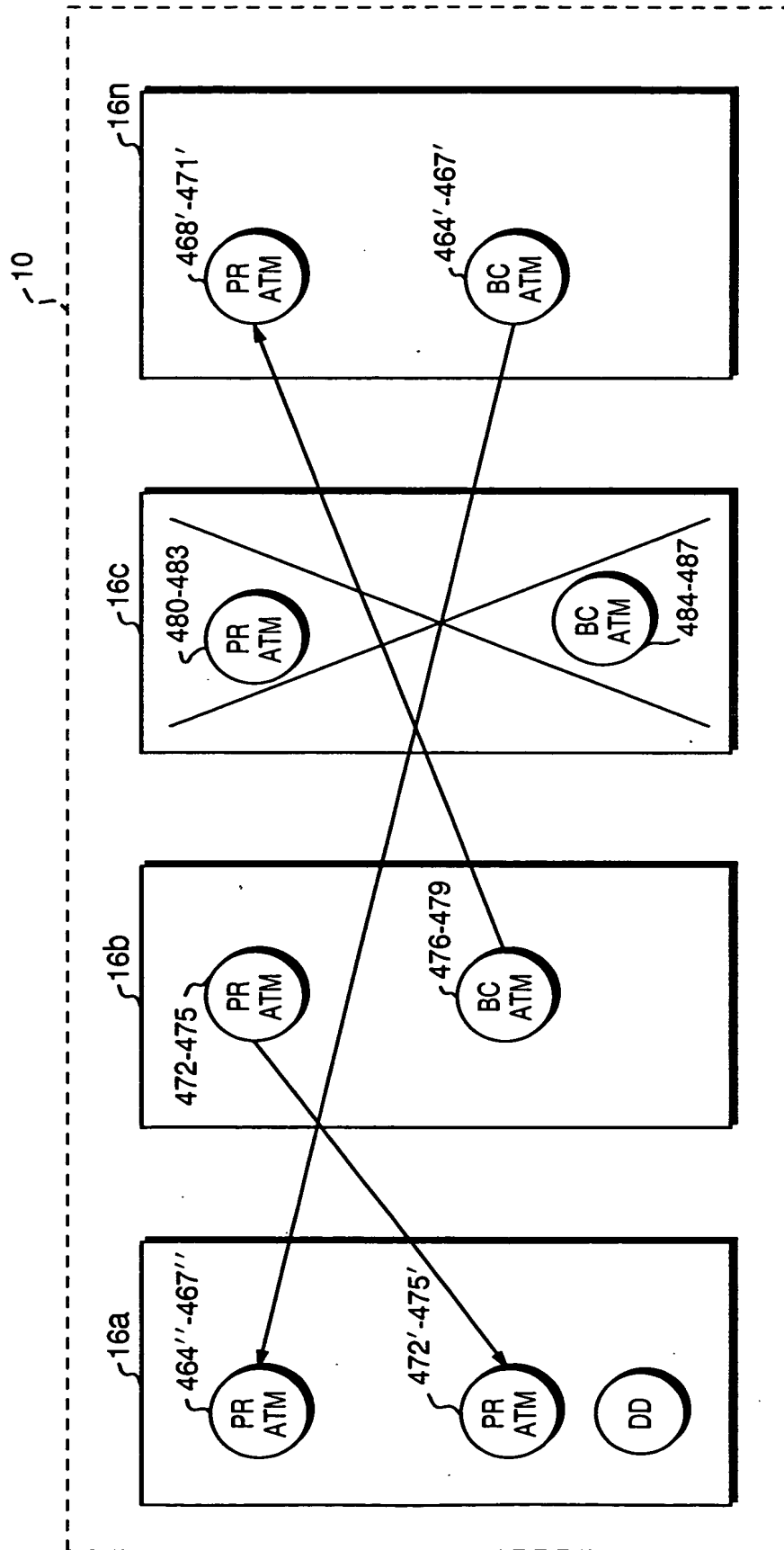


FIG. 33D

211/289

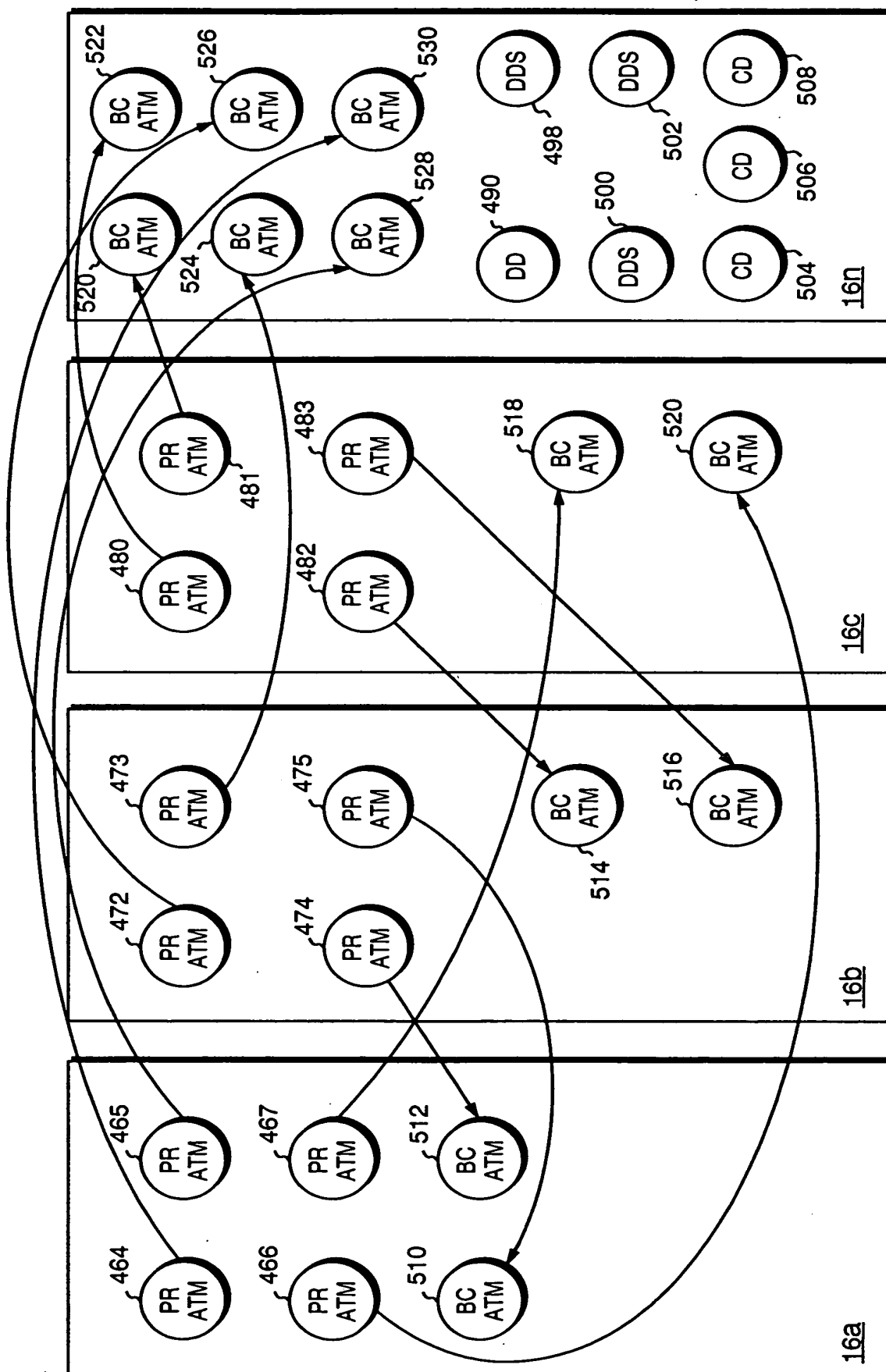


FIG. 34A

212/289

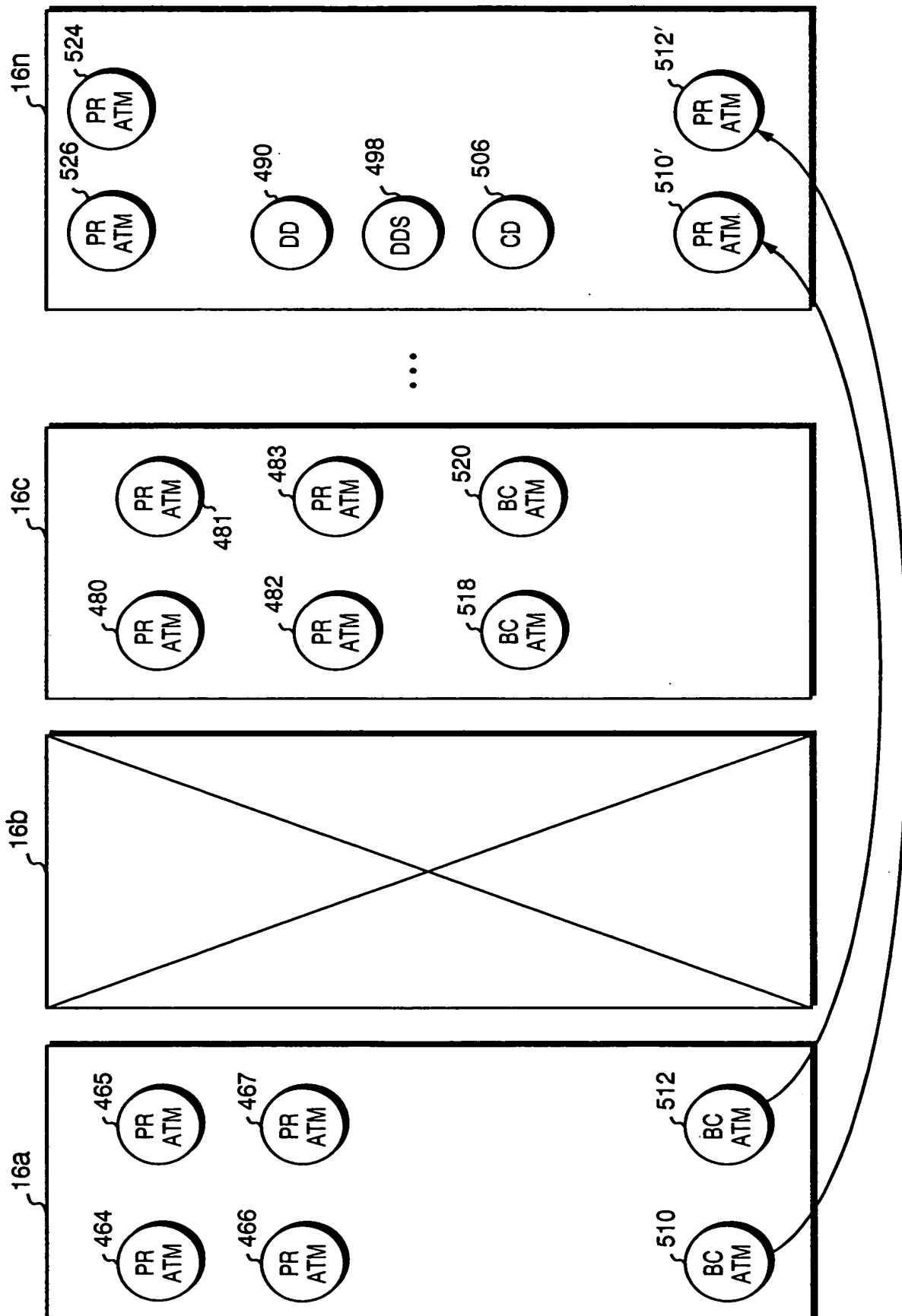
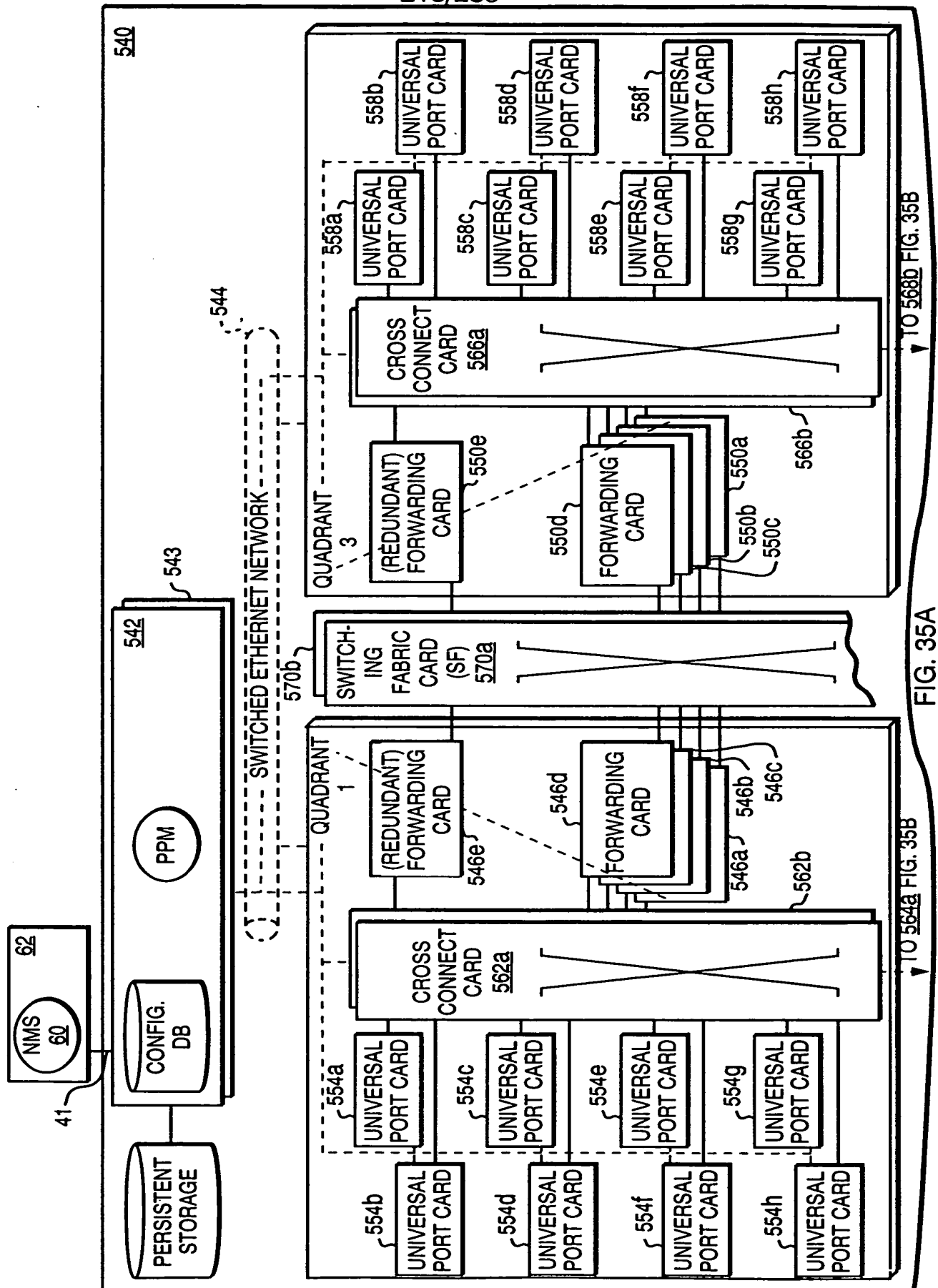


FIG. 34B

213/289

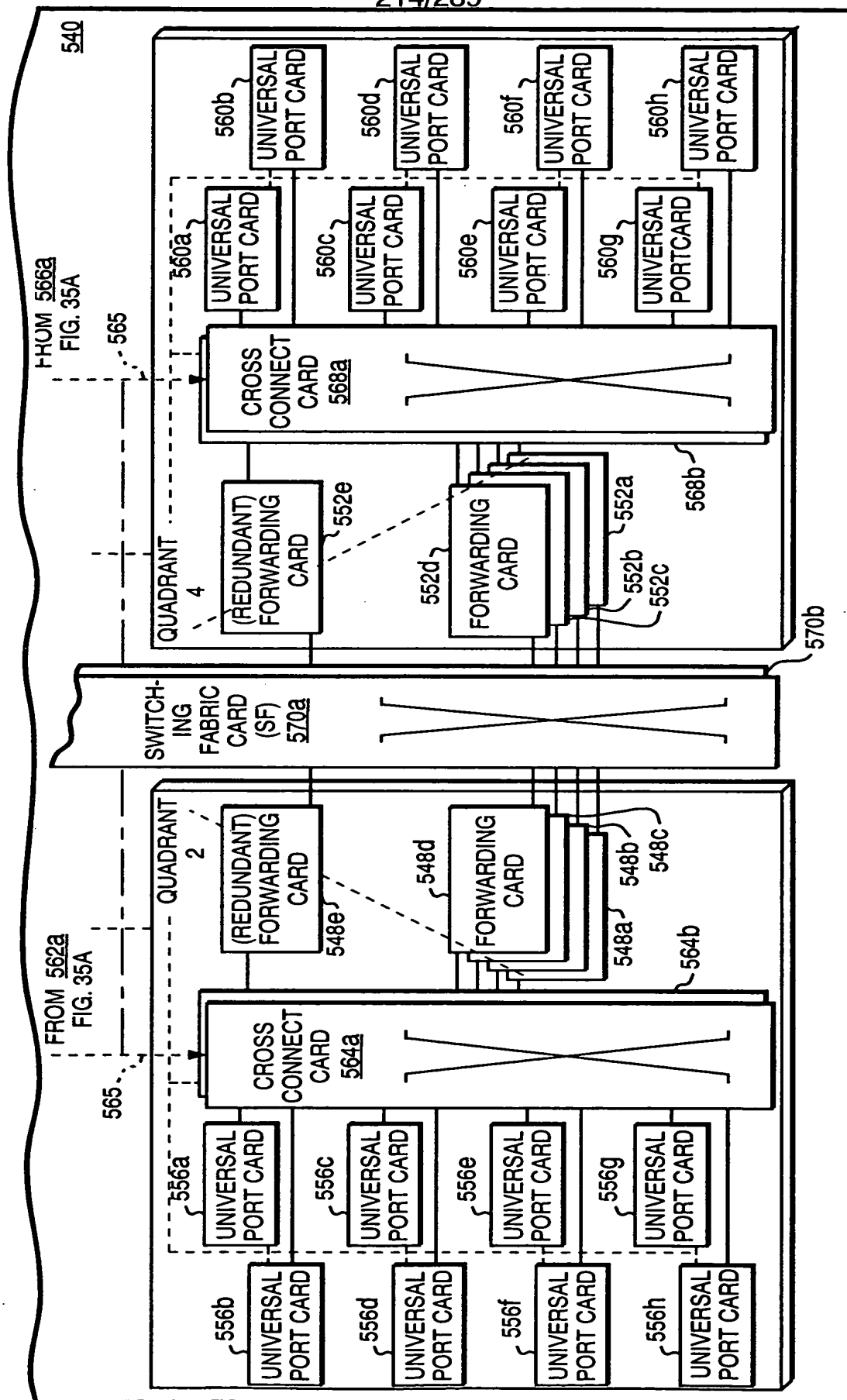


TO 568d FIG. 35B

TO 564a FIG. 35B

FIG. 35A

214/289



215/289

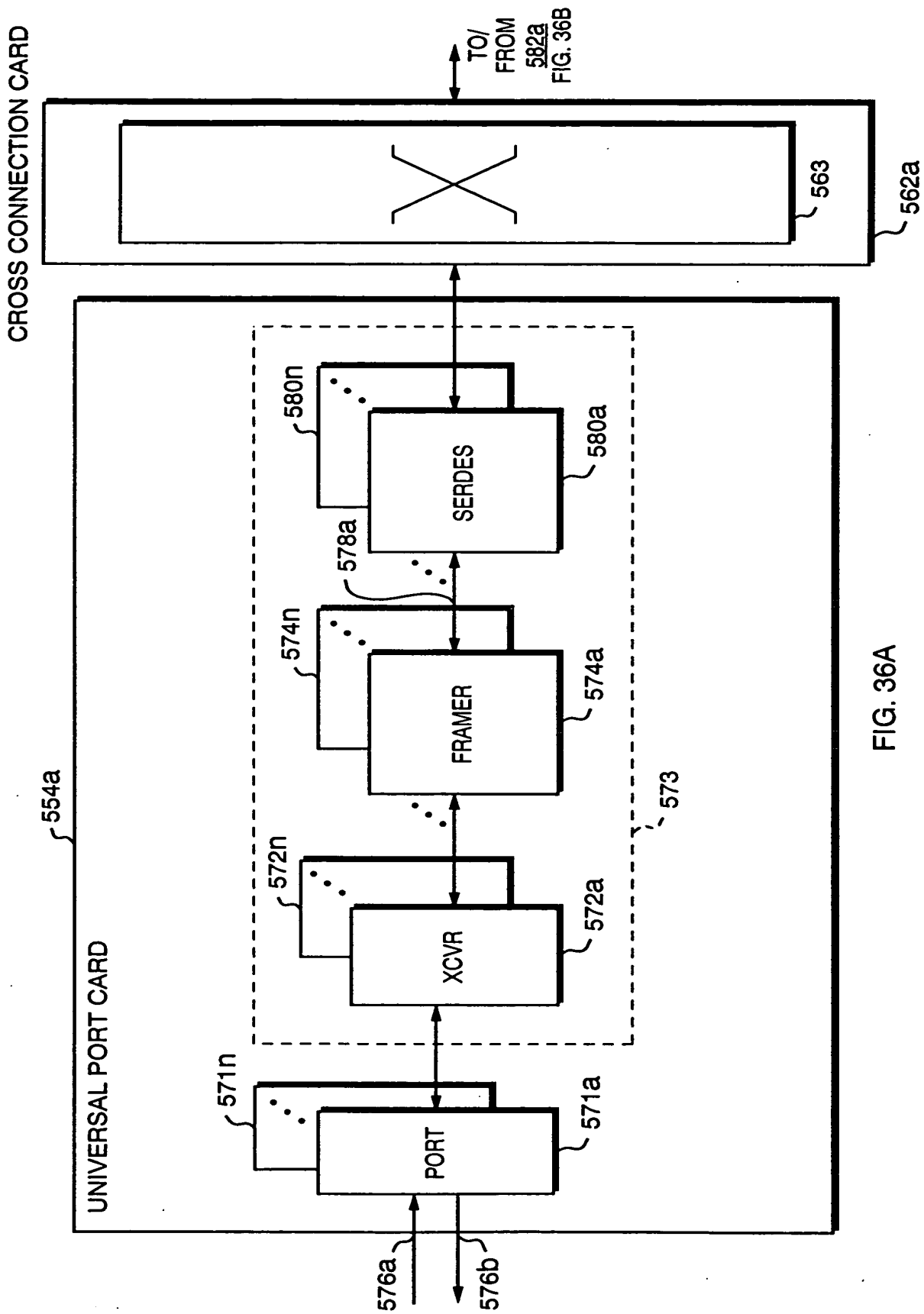


FIG. 36A

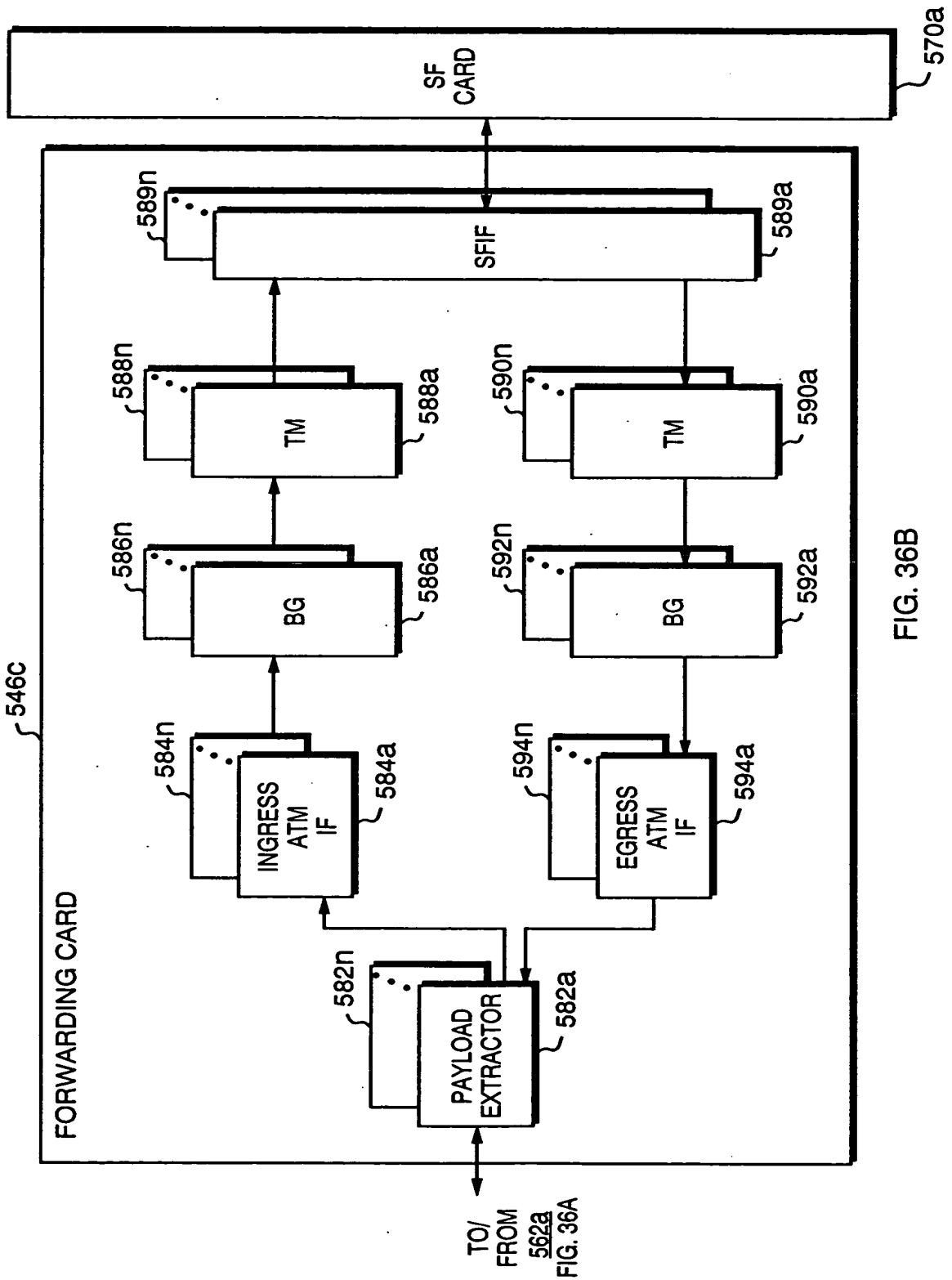


FIG. 36B

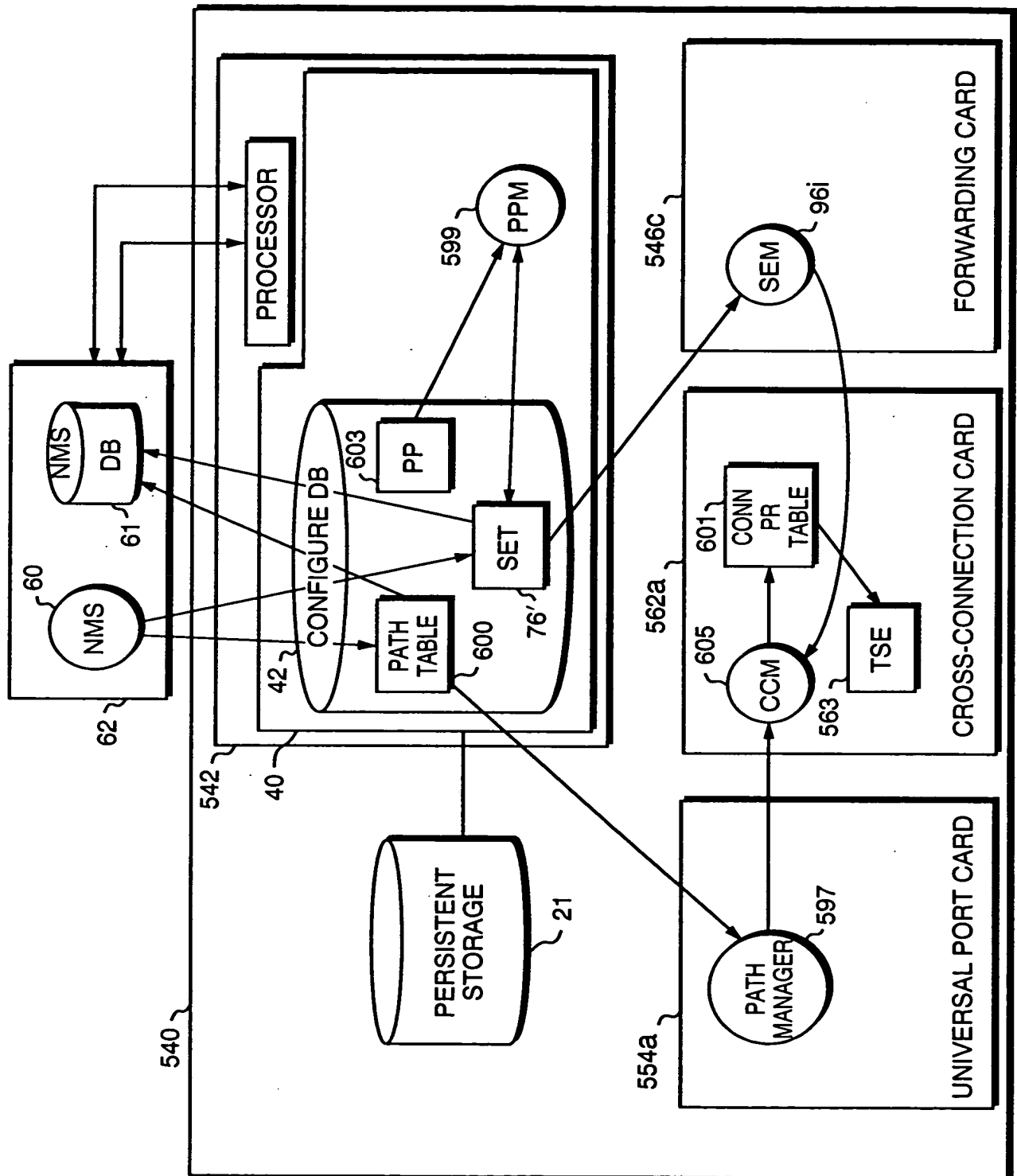


FIG. 37

PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38

SERVICE END POINT TABLE 76'

604

SE #	Q #	606		608		610	
		FC LID	FC SLICE	FC TIME SLOT	PATH PID	...	
878	1				1666		
.	
:	:	:	:	:	:	:	
.	

FIG. 39

220/189

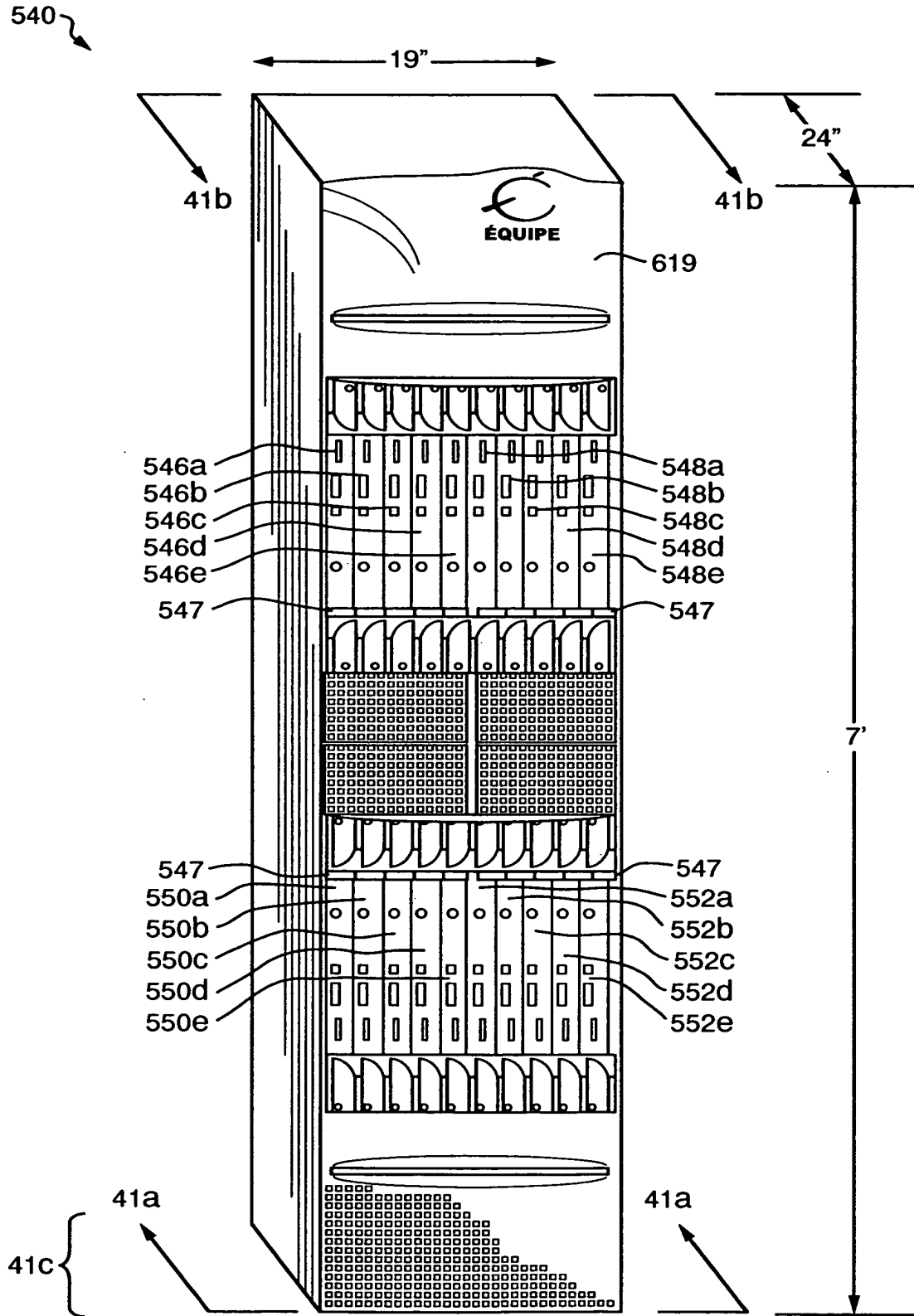


FIG. 40

221/289

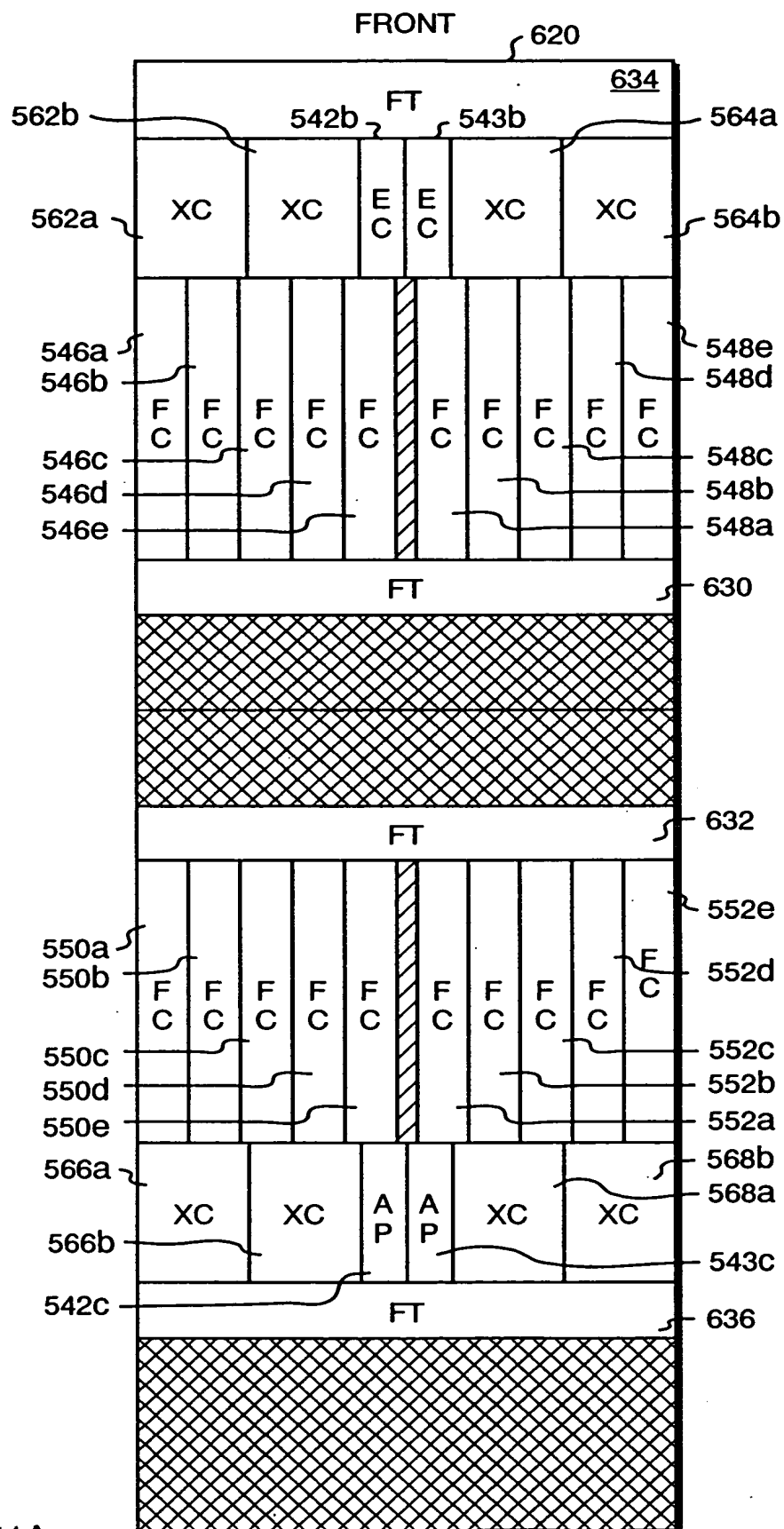


FIG. 41A

222/289

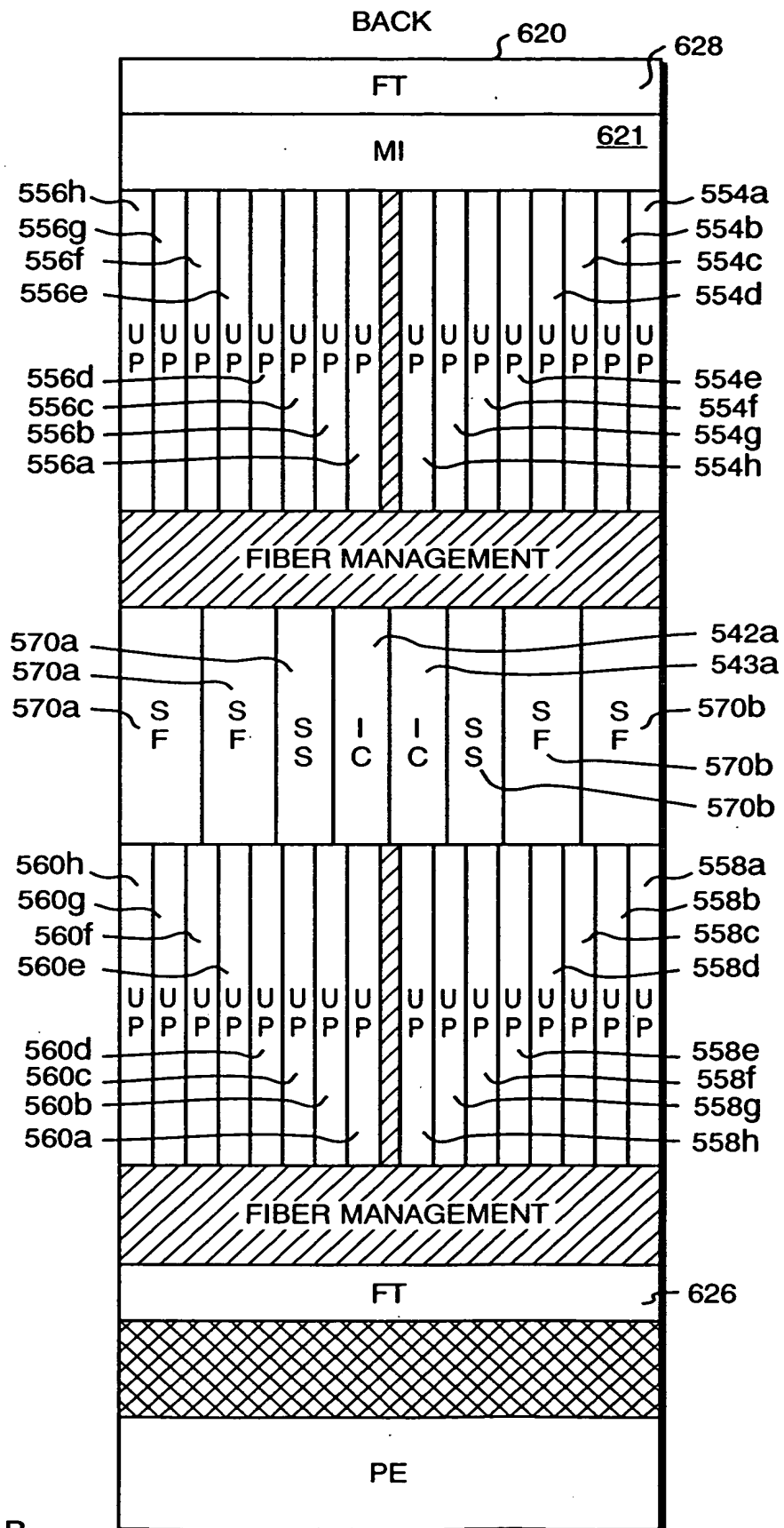


FIG. 41B

223/289

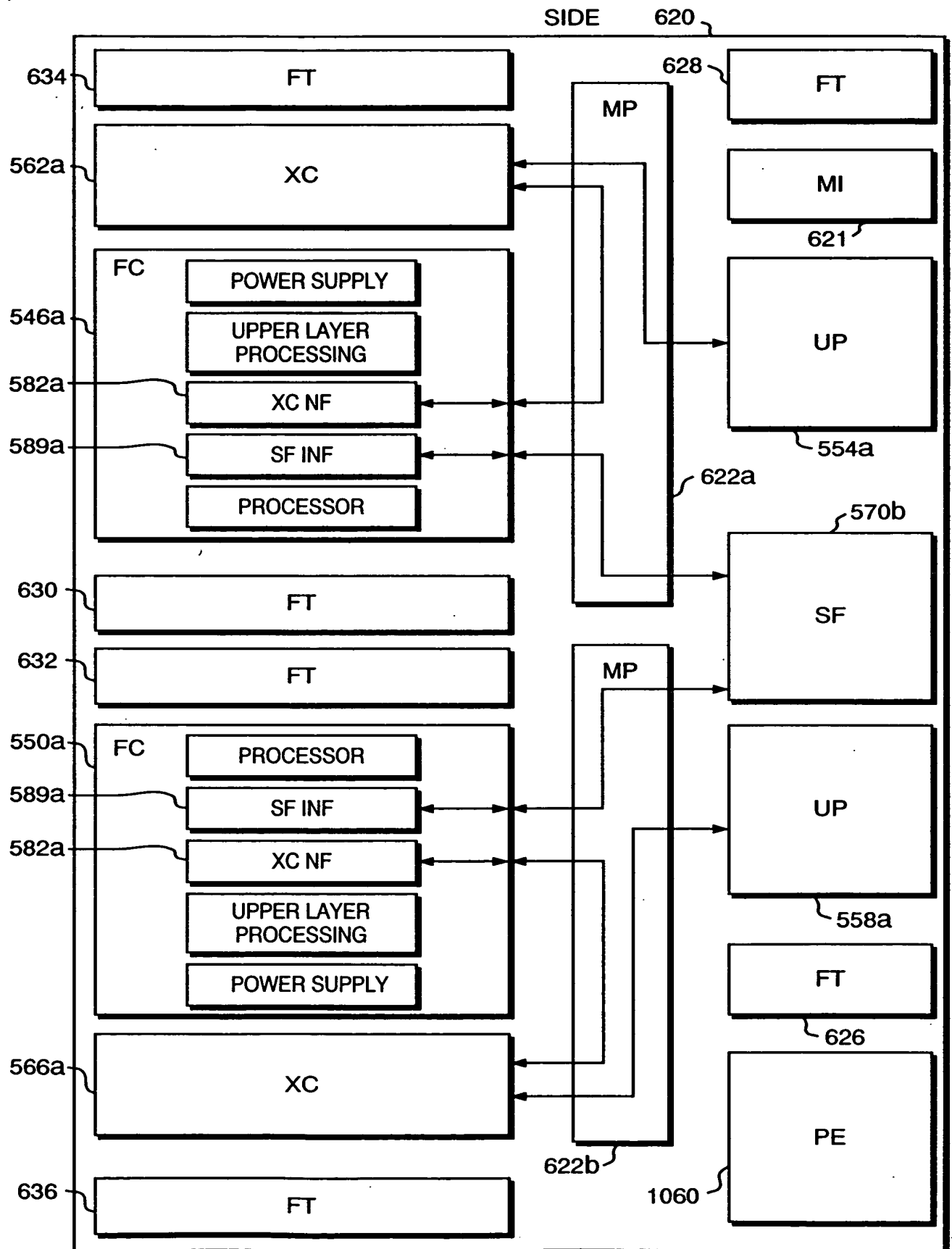


FIG. 41C

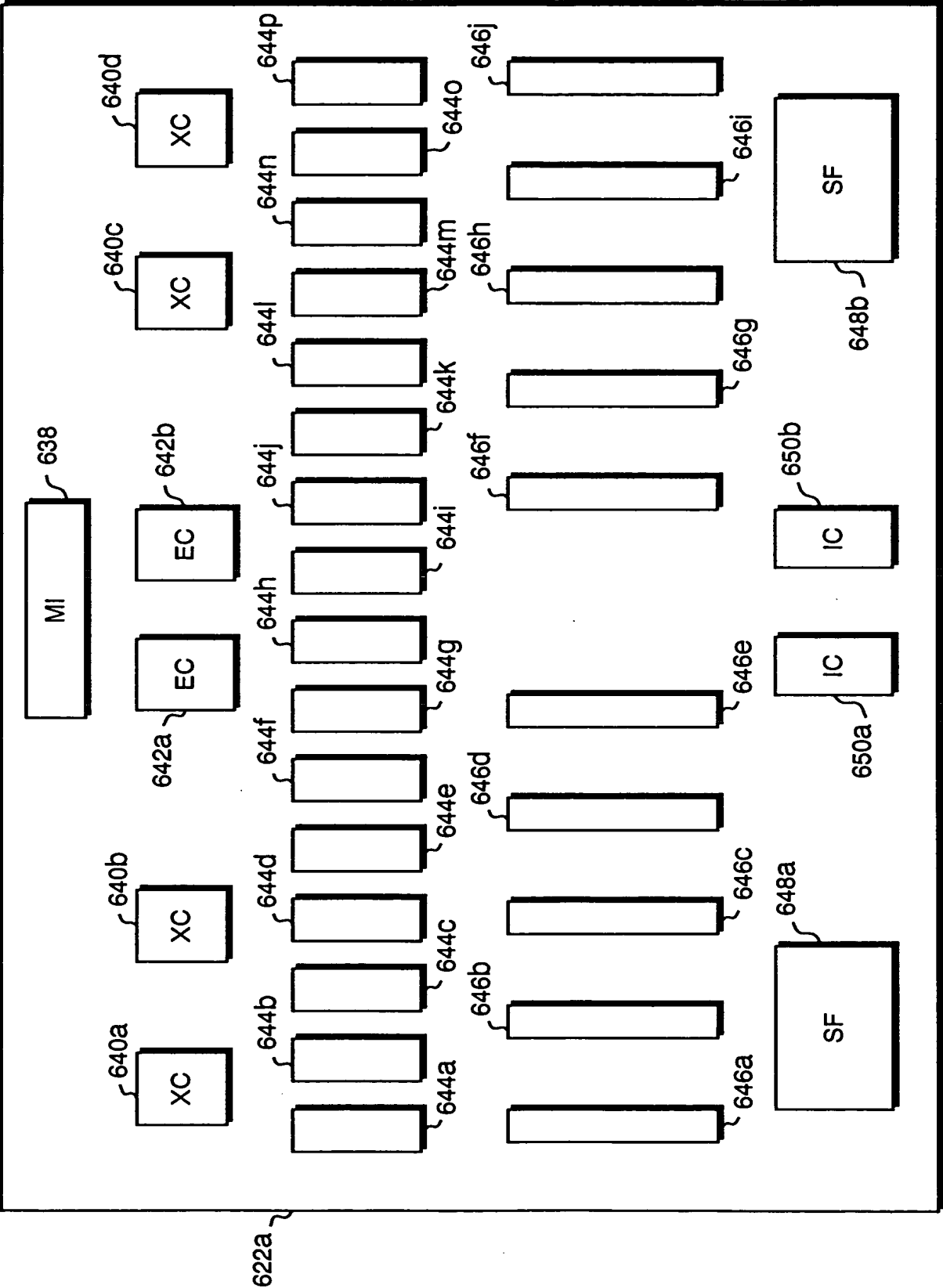


FIG. 42A

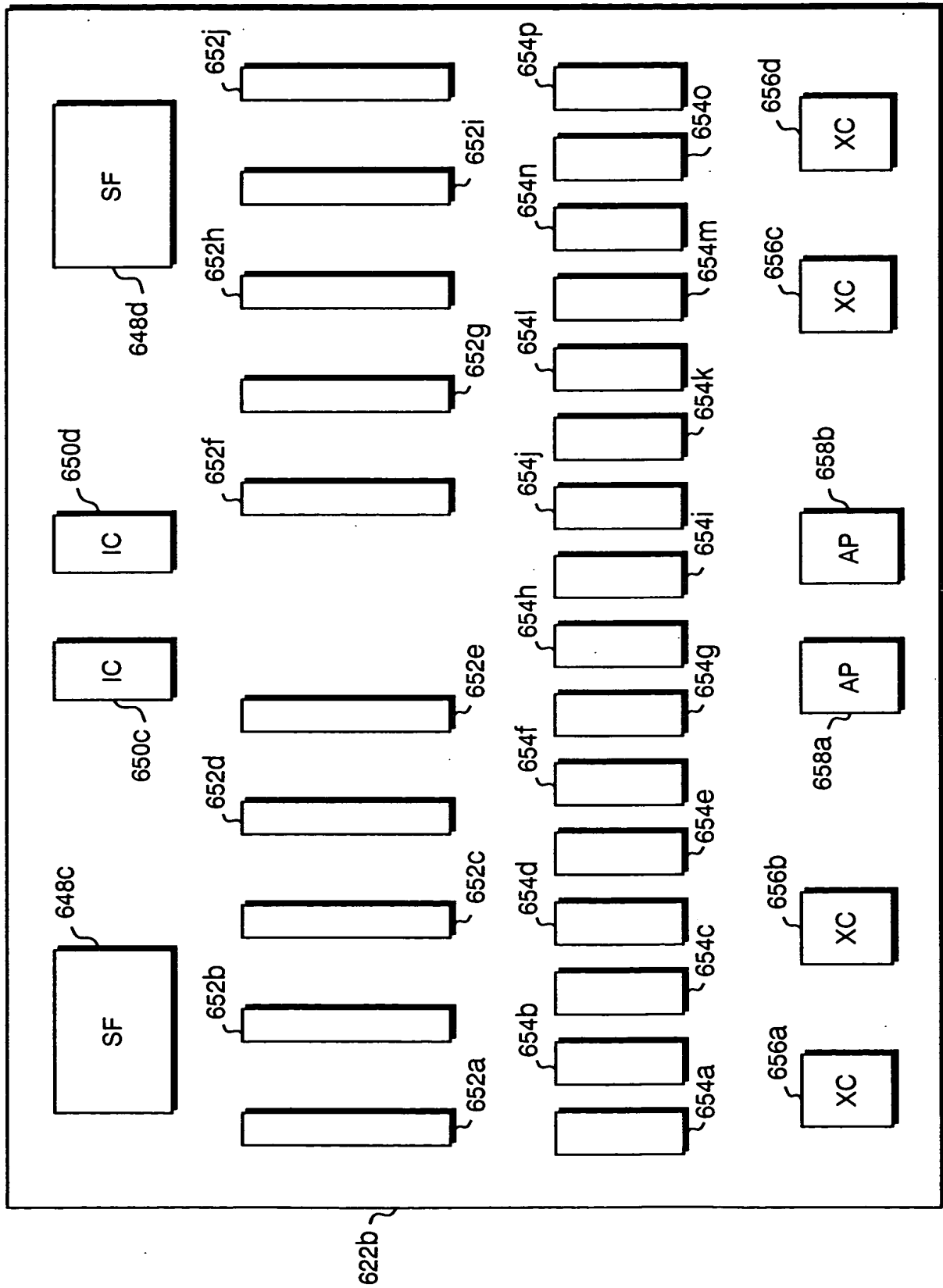
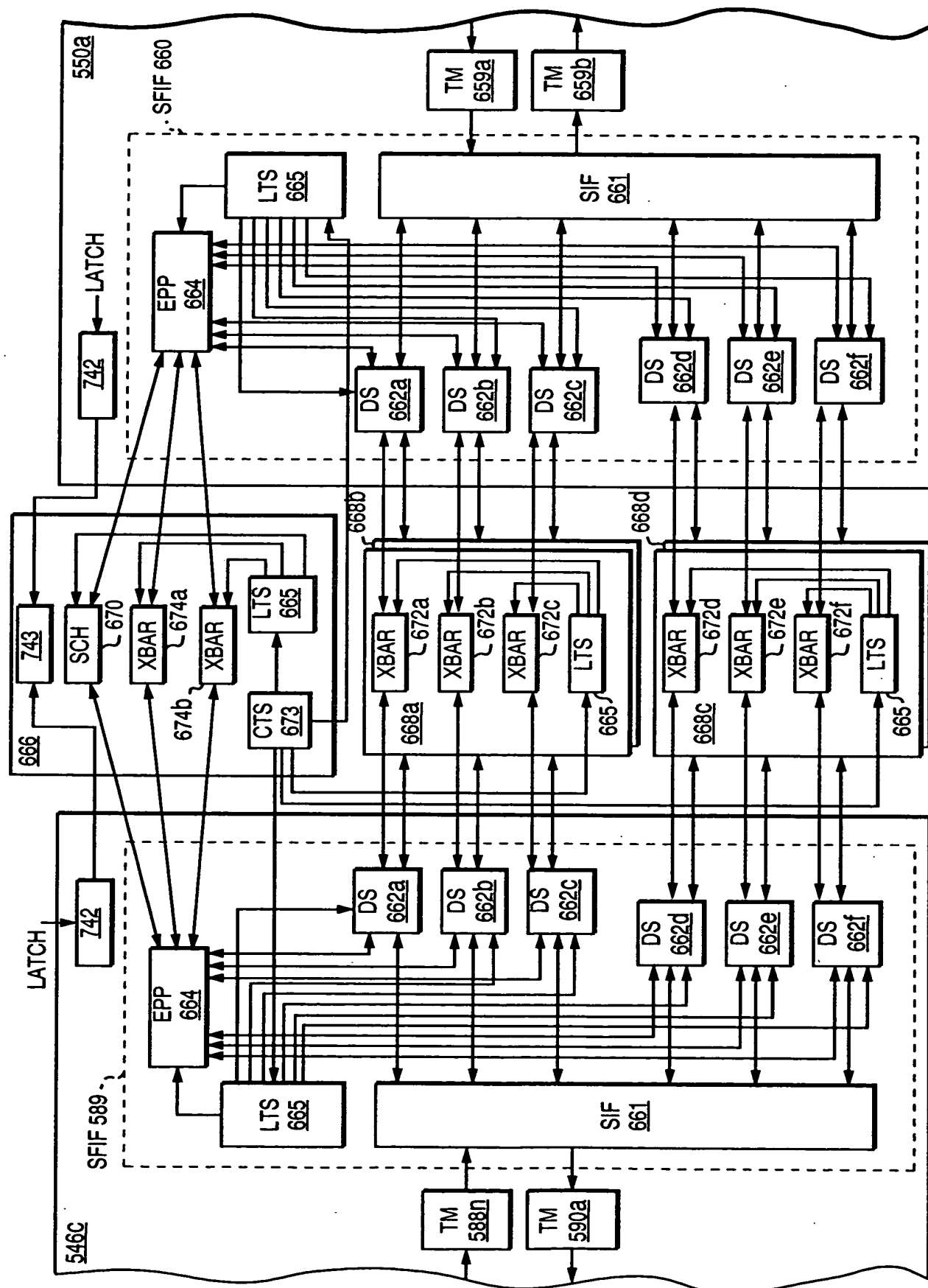


FIG. 42B



640

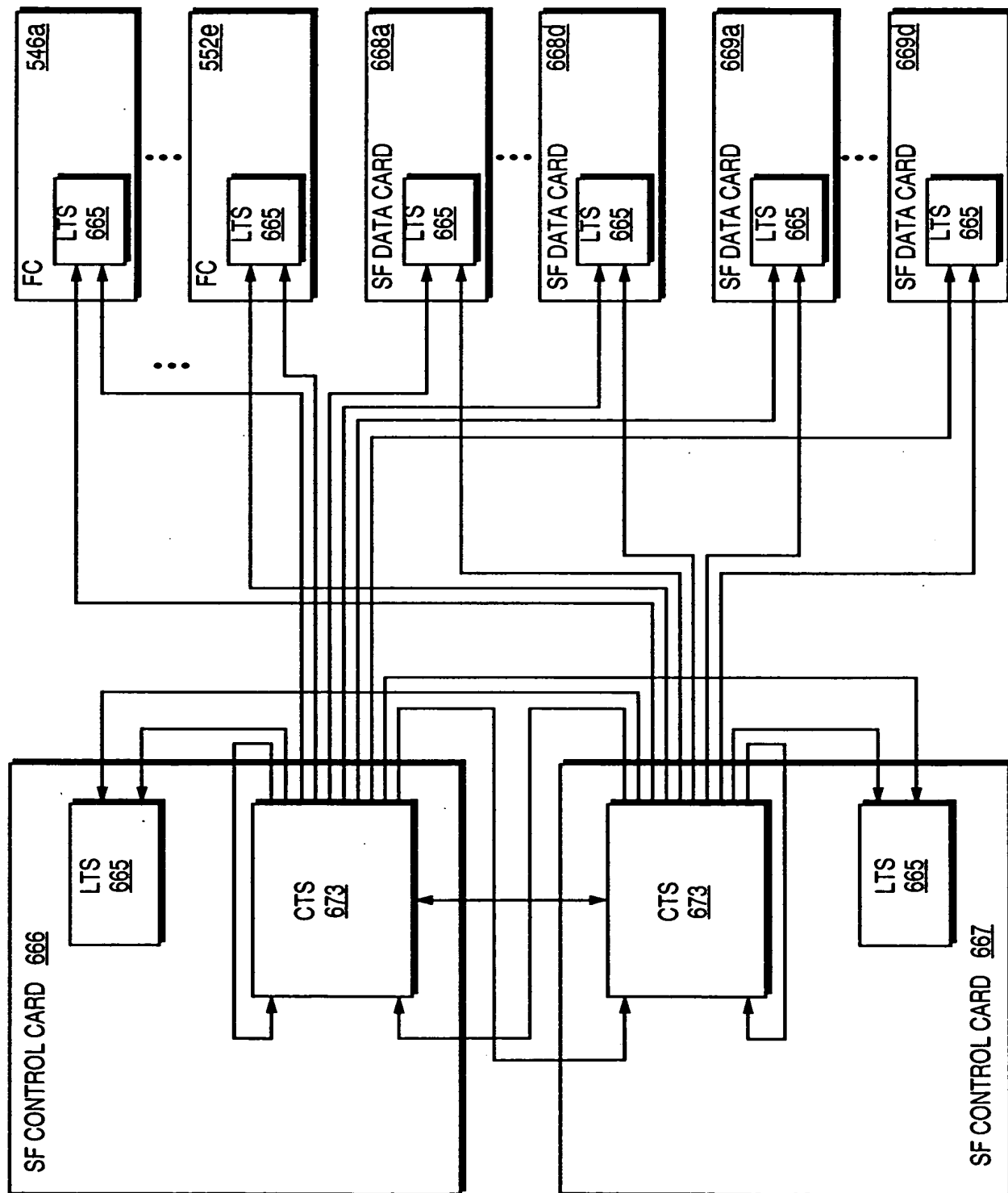


FIG. 44

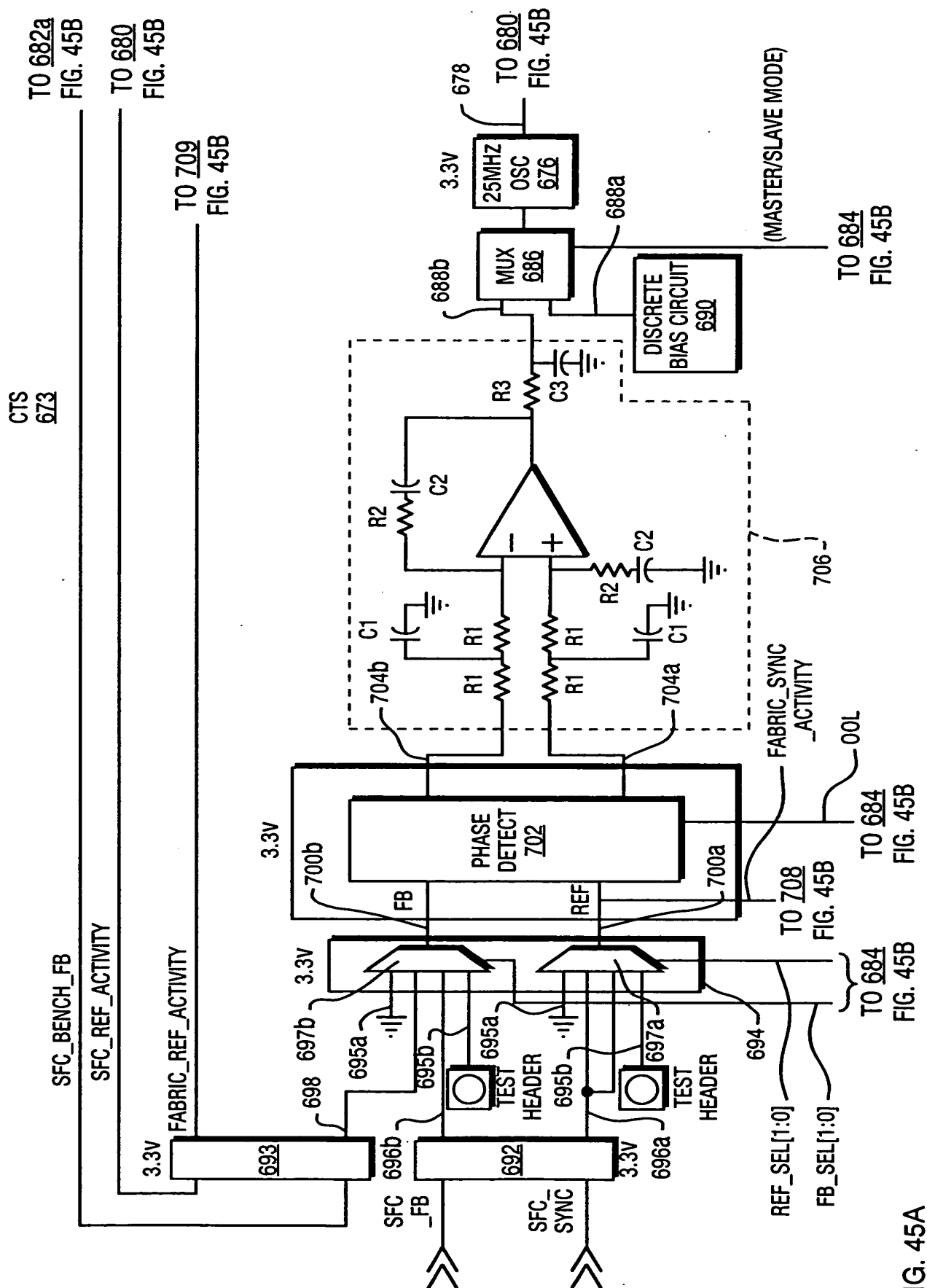


FIG. 45A

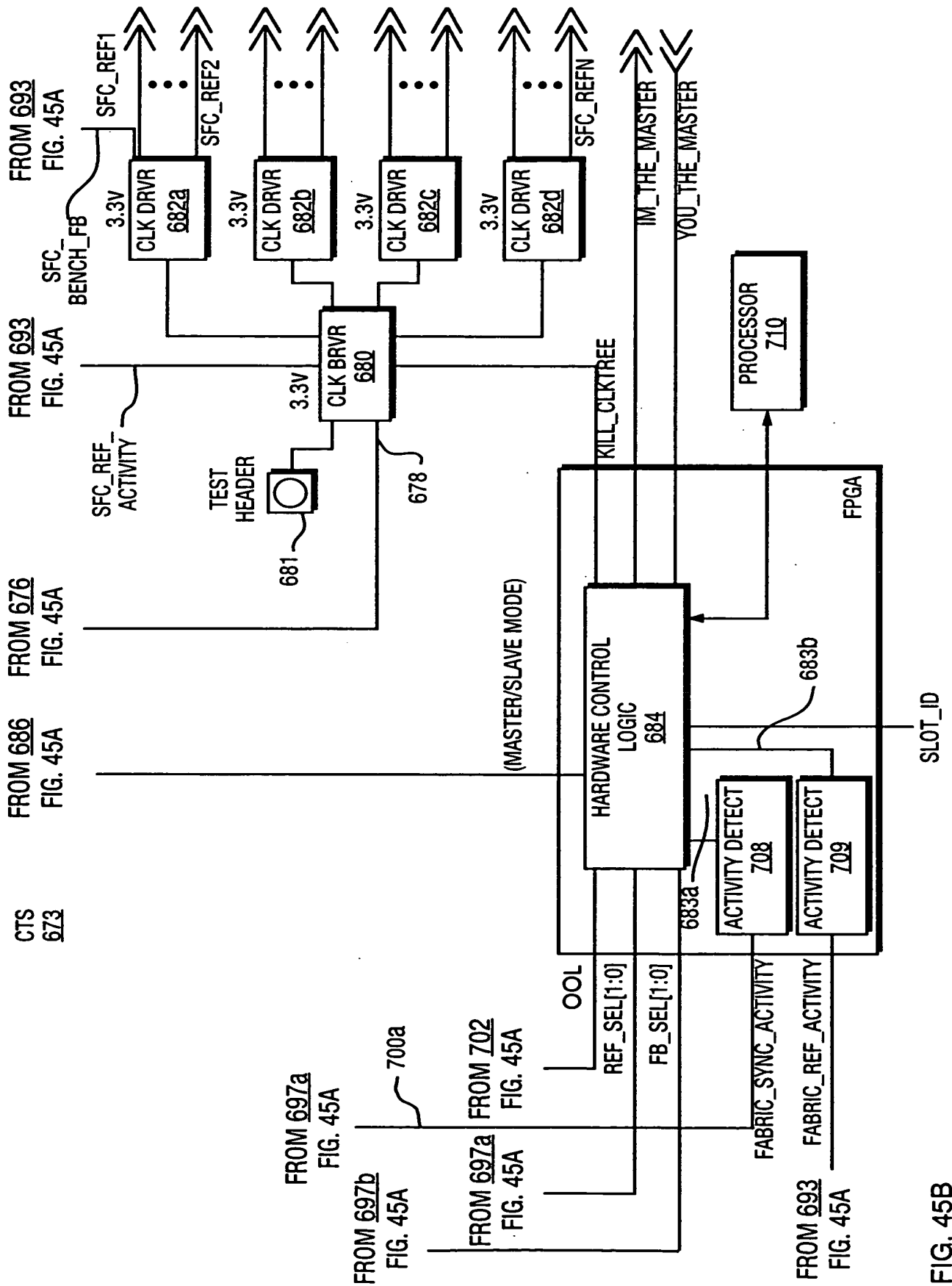


FIG. 45B

230/289

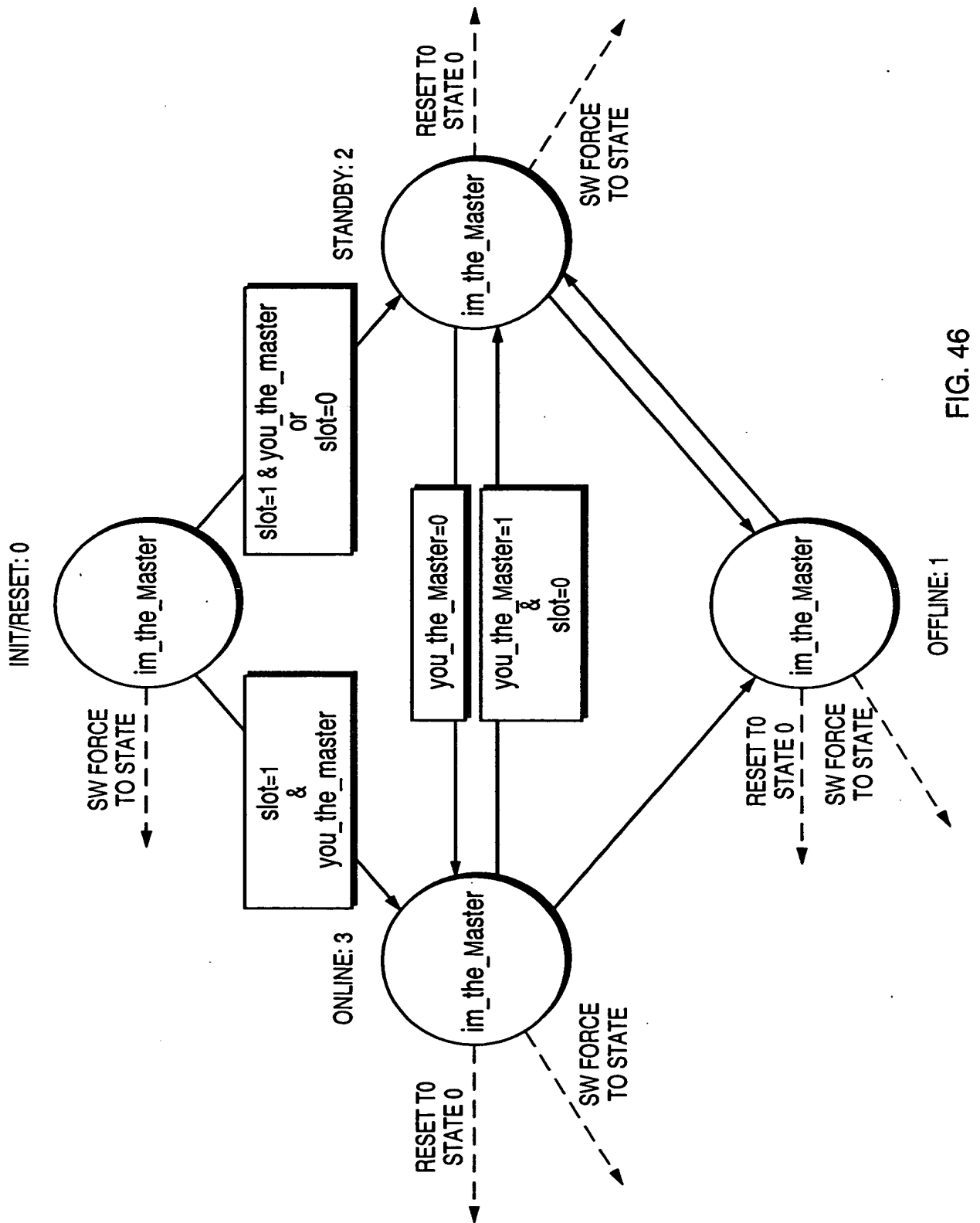


FIG. 46

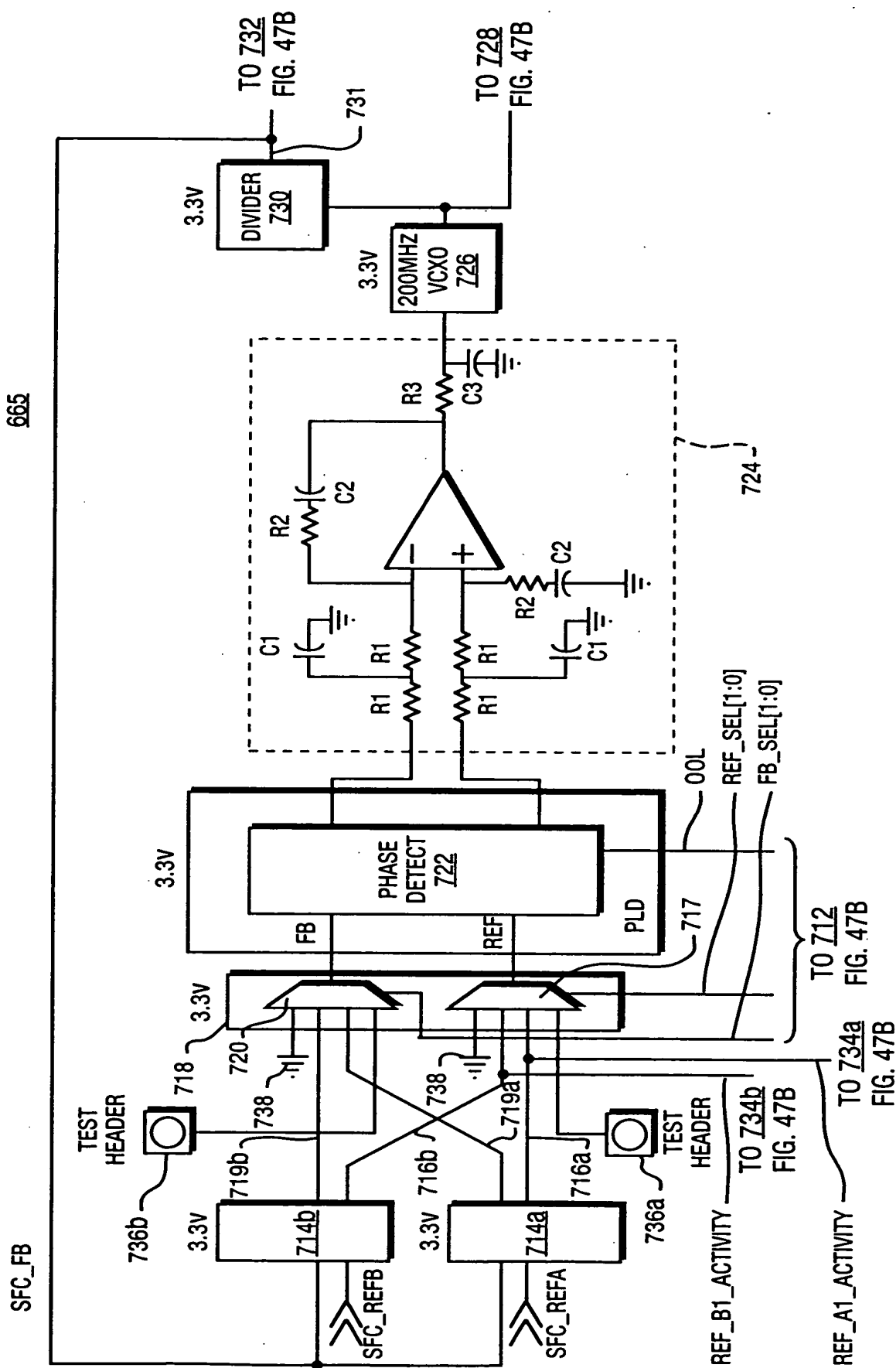


FIG. 47A

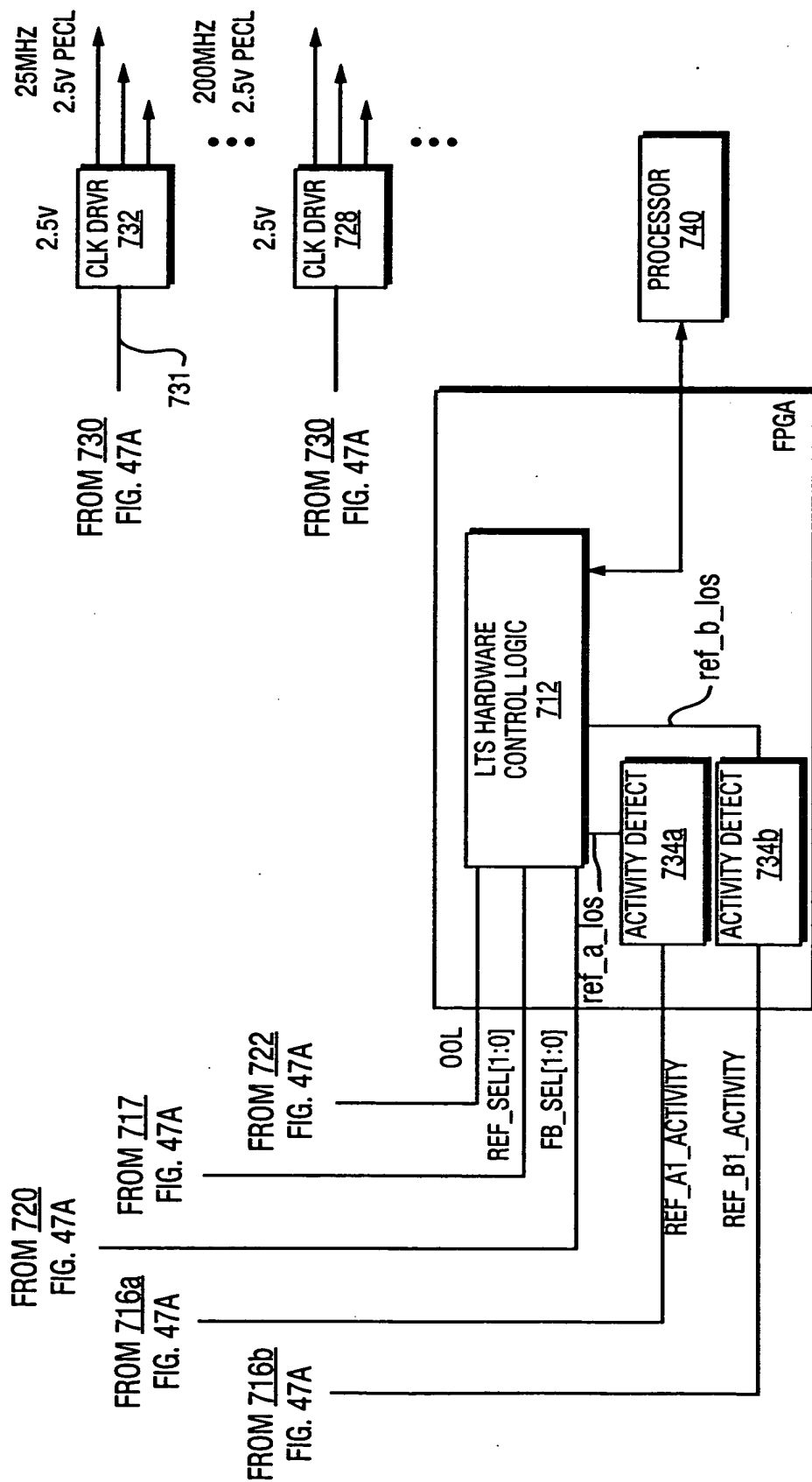


FIG. 47B

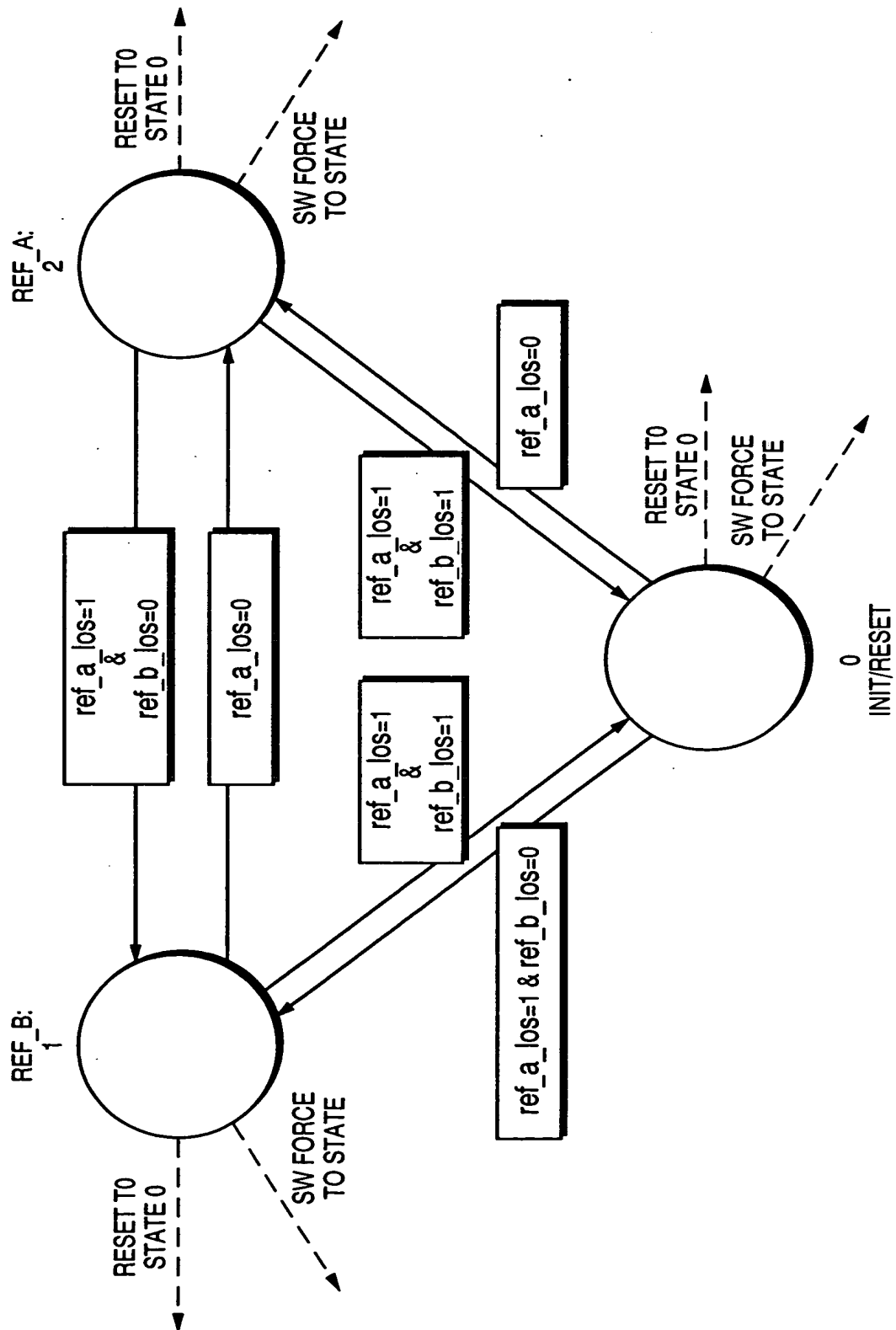


FIG. 48

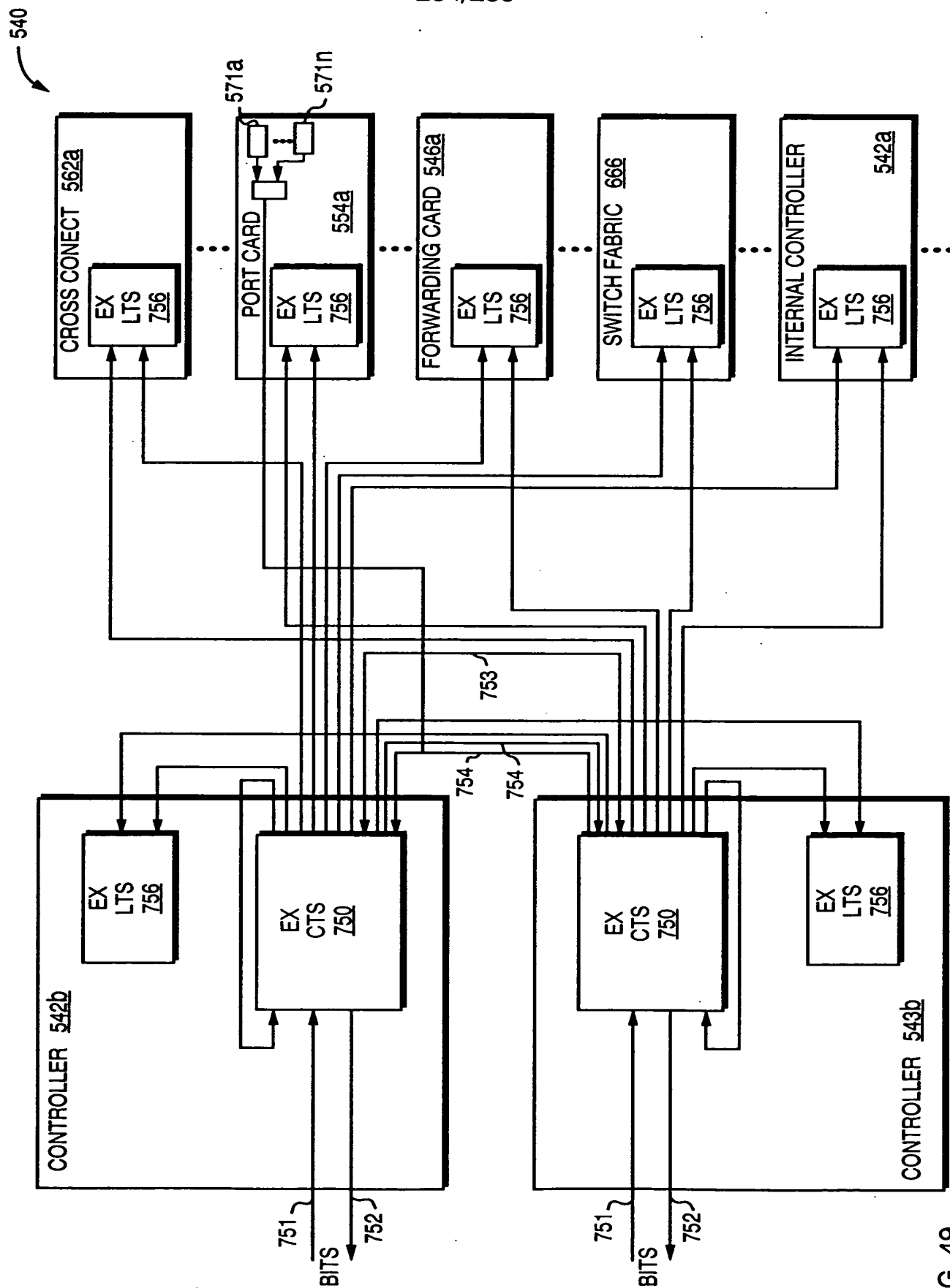


FIG. 49

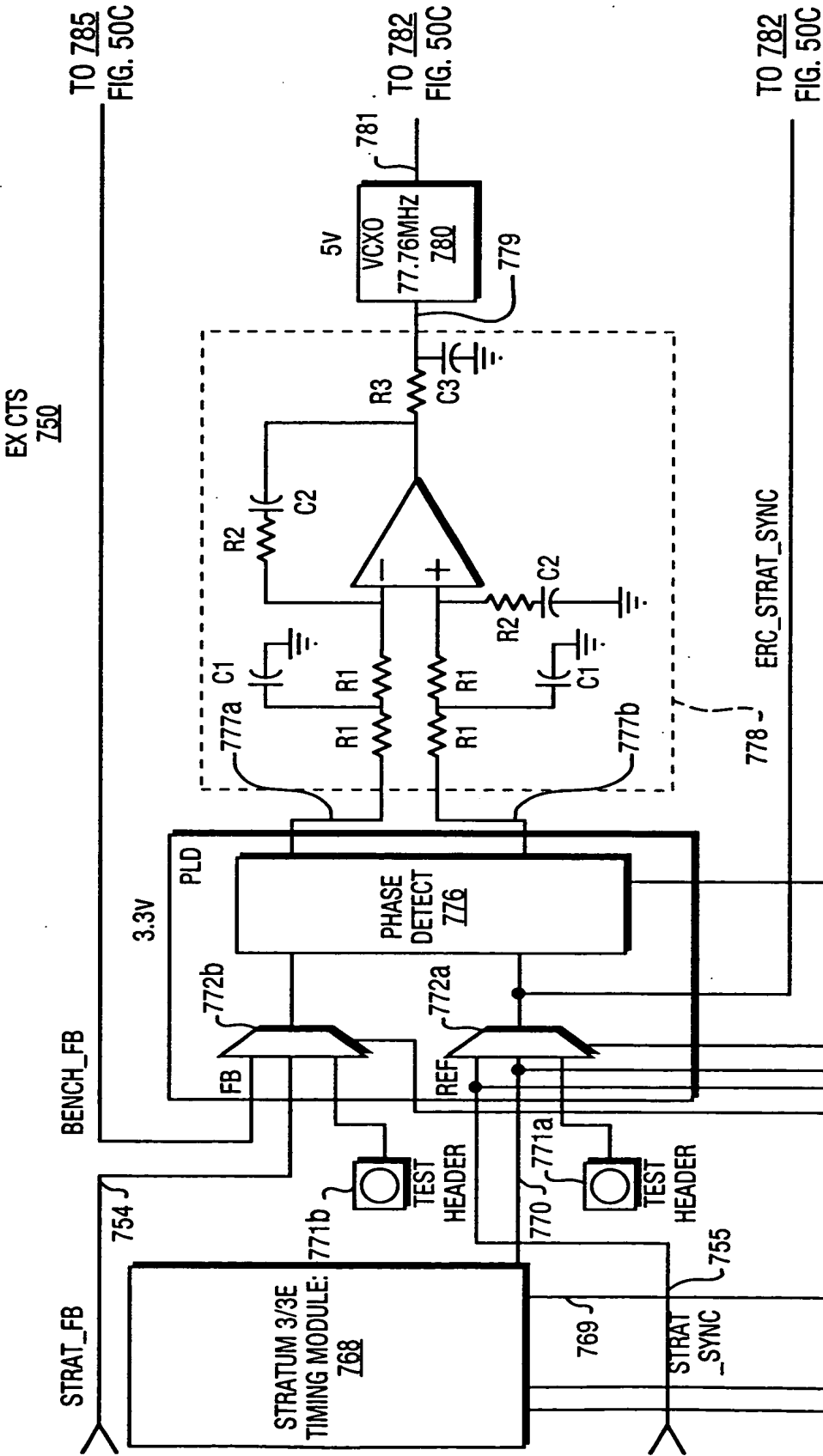


FIG. 50A

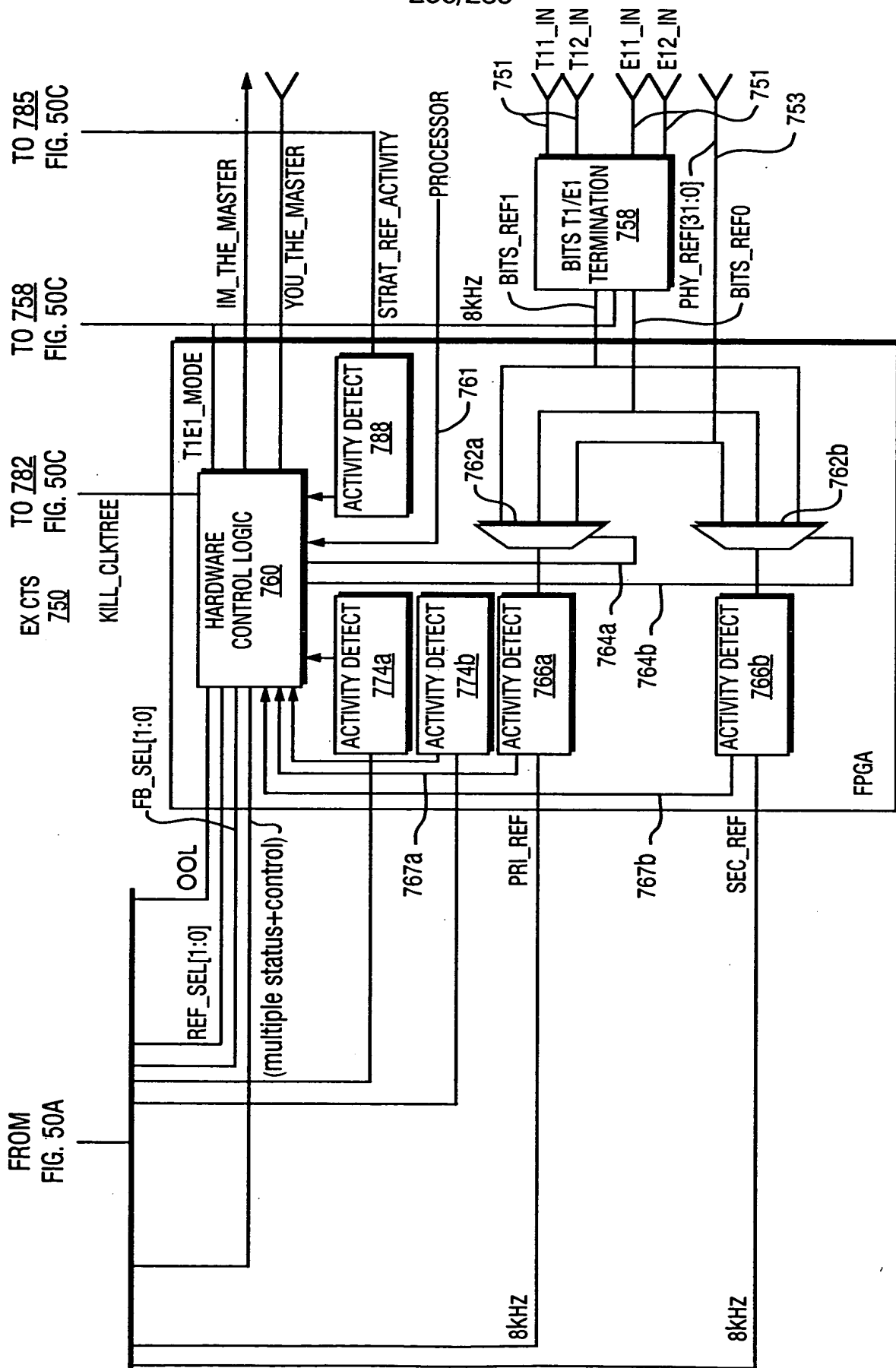


FIG. 50B

237/289

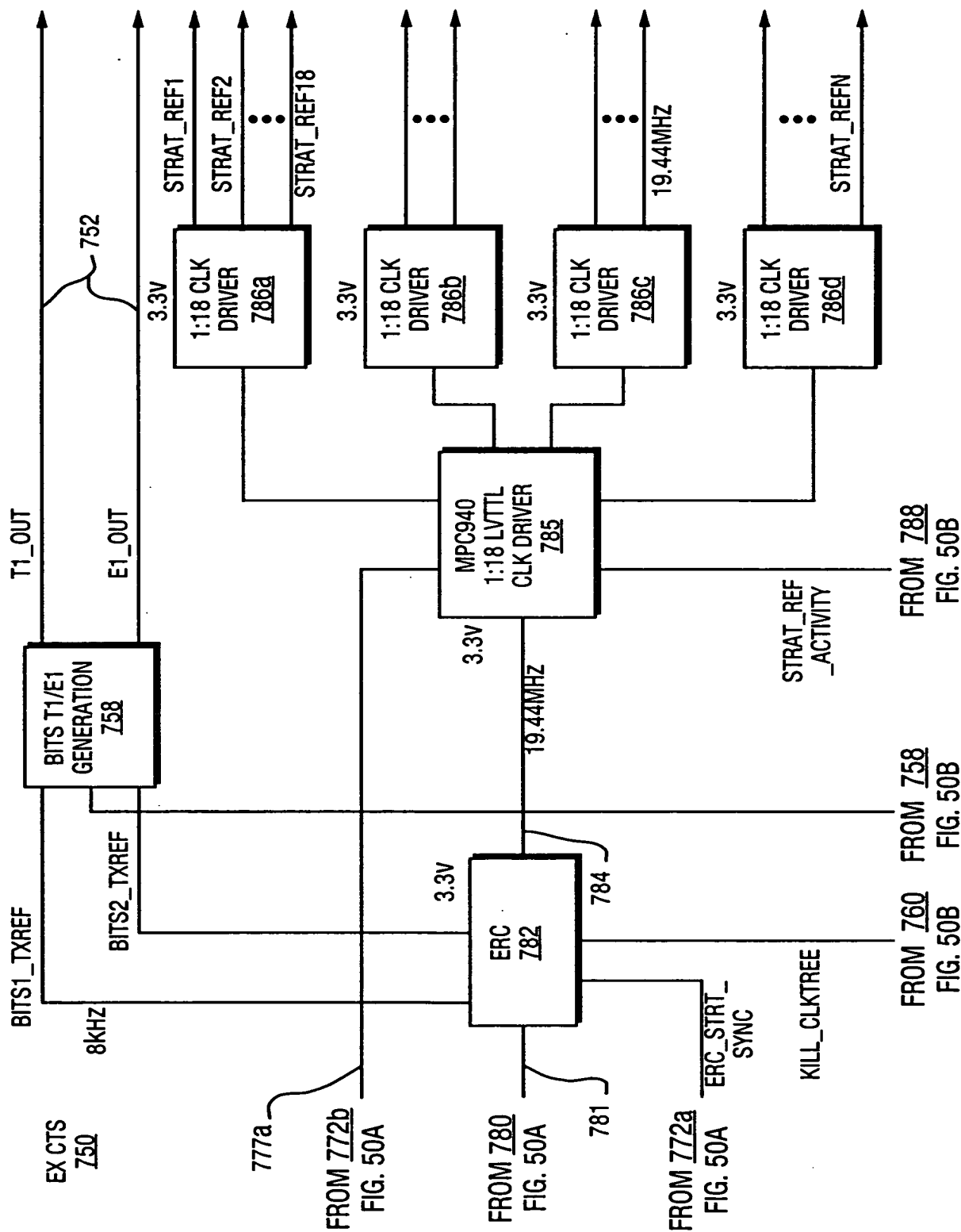


FIG. 50C

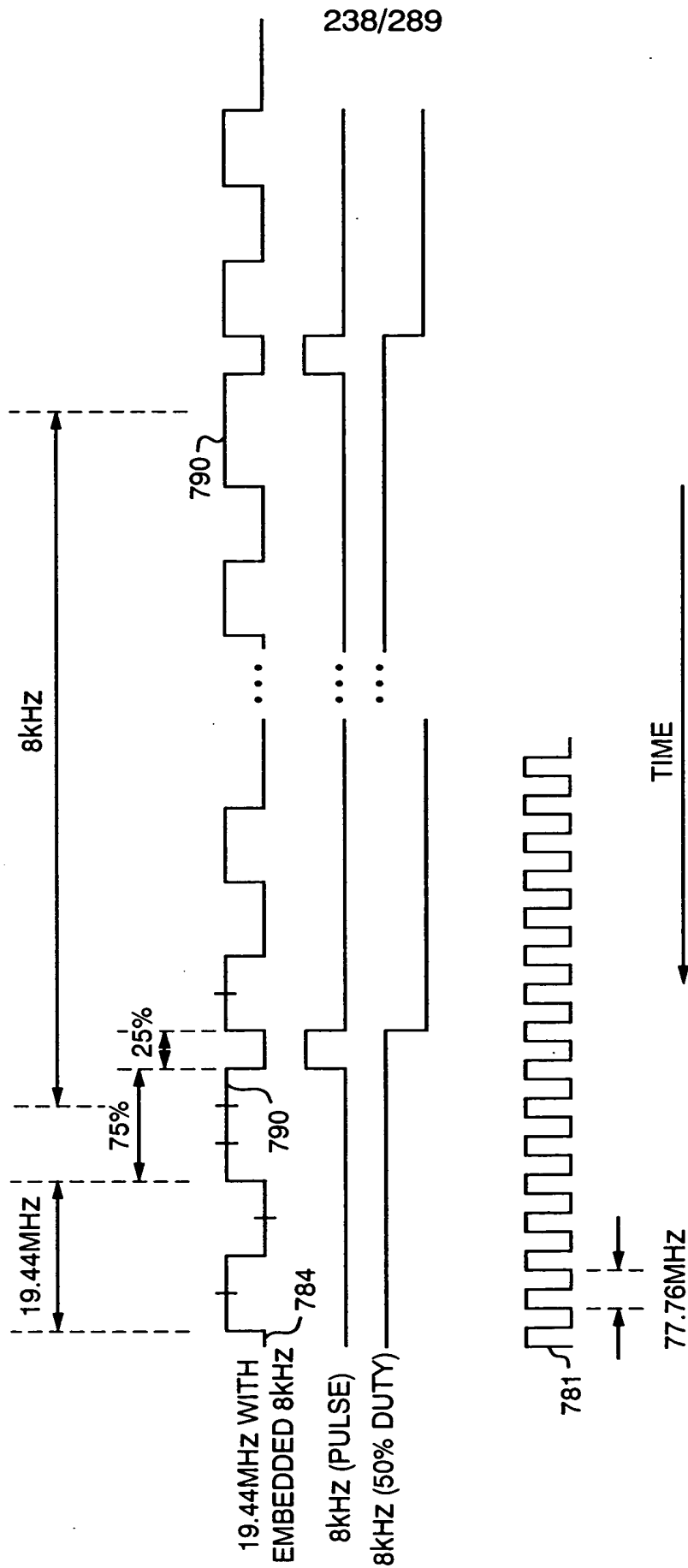


FIG. 51

239/289

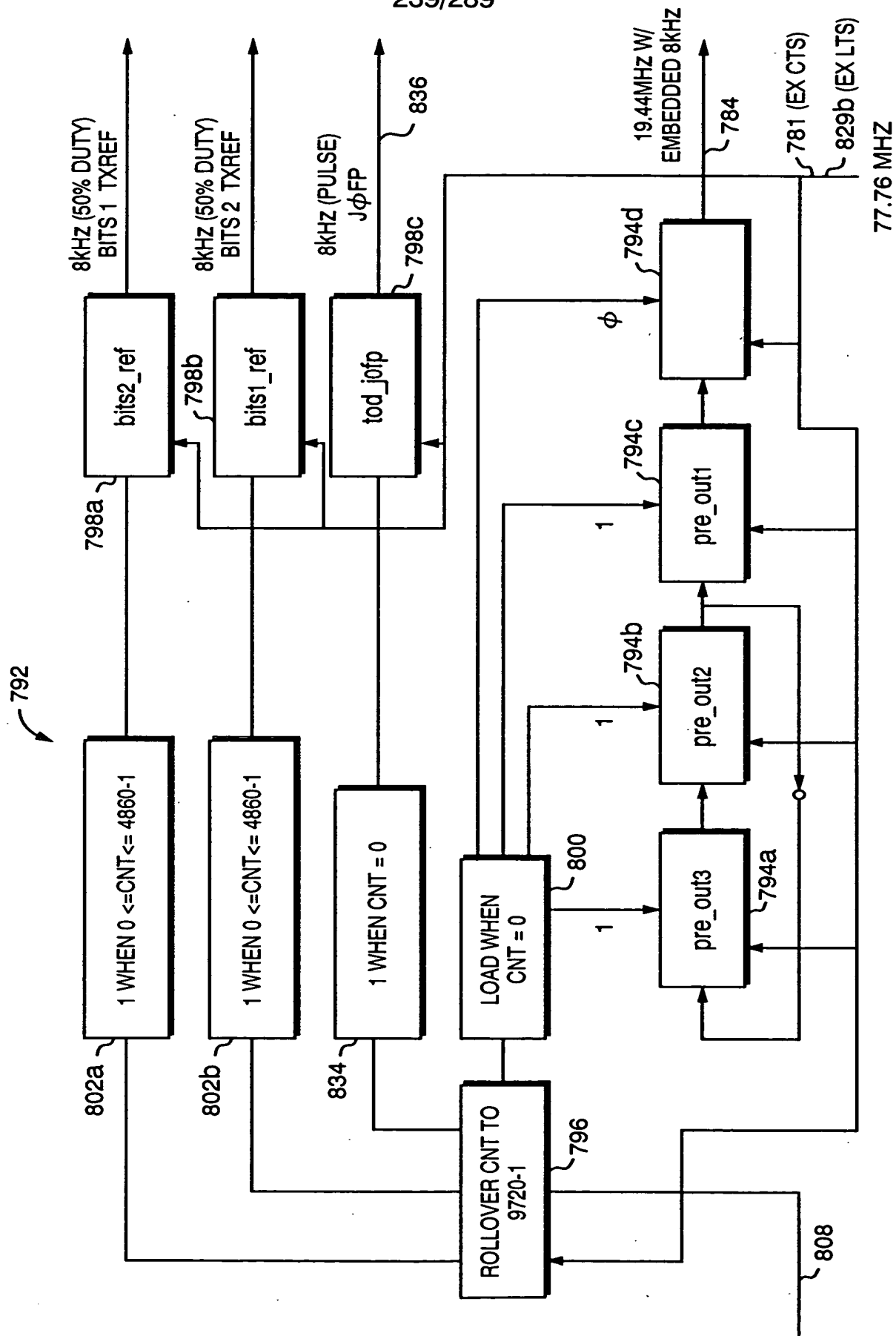


FIG. 52

EXTRACTOR
804

ERC STRAT_SYNC (EX CTS)
STRAT_REF_A OR STRAT_REF_B(EX LTS) 832
19.44MHz WITH ENCLOSED 8kHz
(MUST BE PULLED LOW WHEN NOT PRESENT)

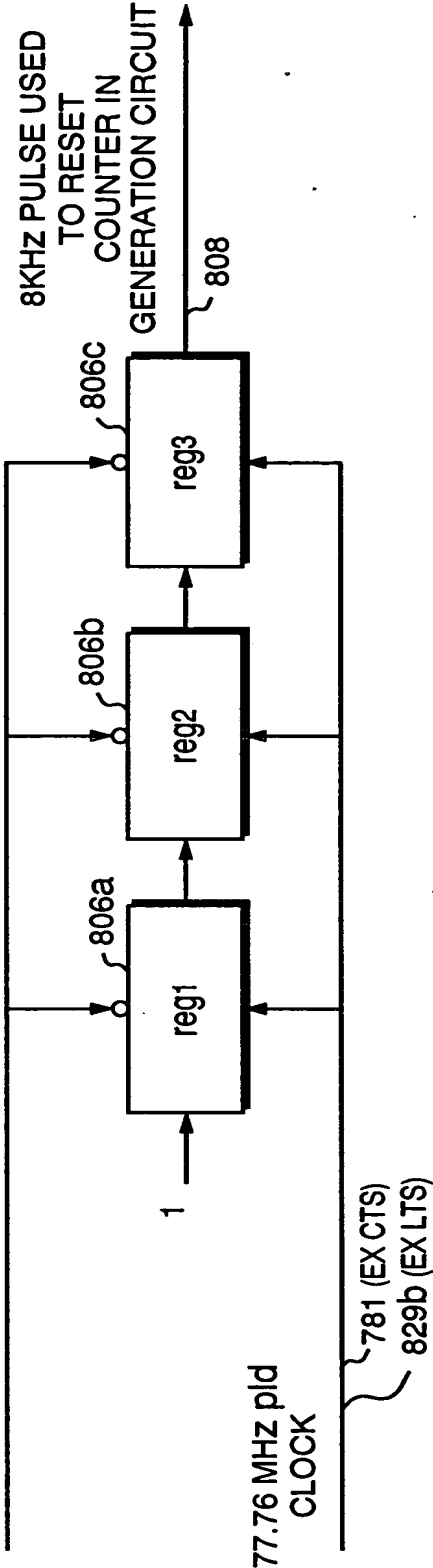


FIG. 53

241/289

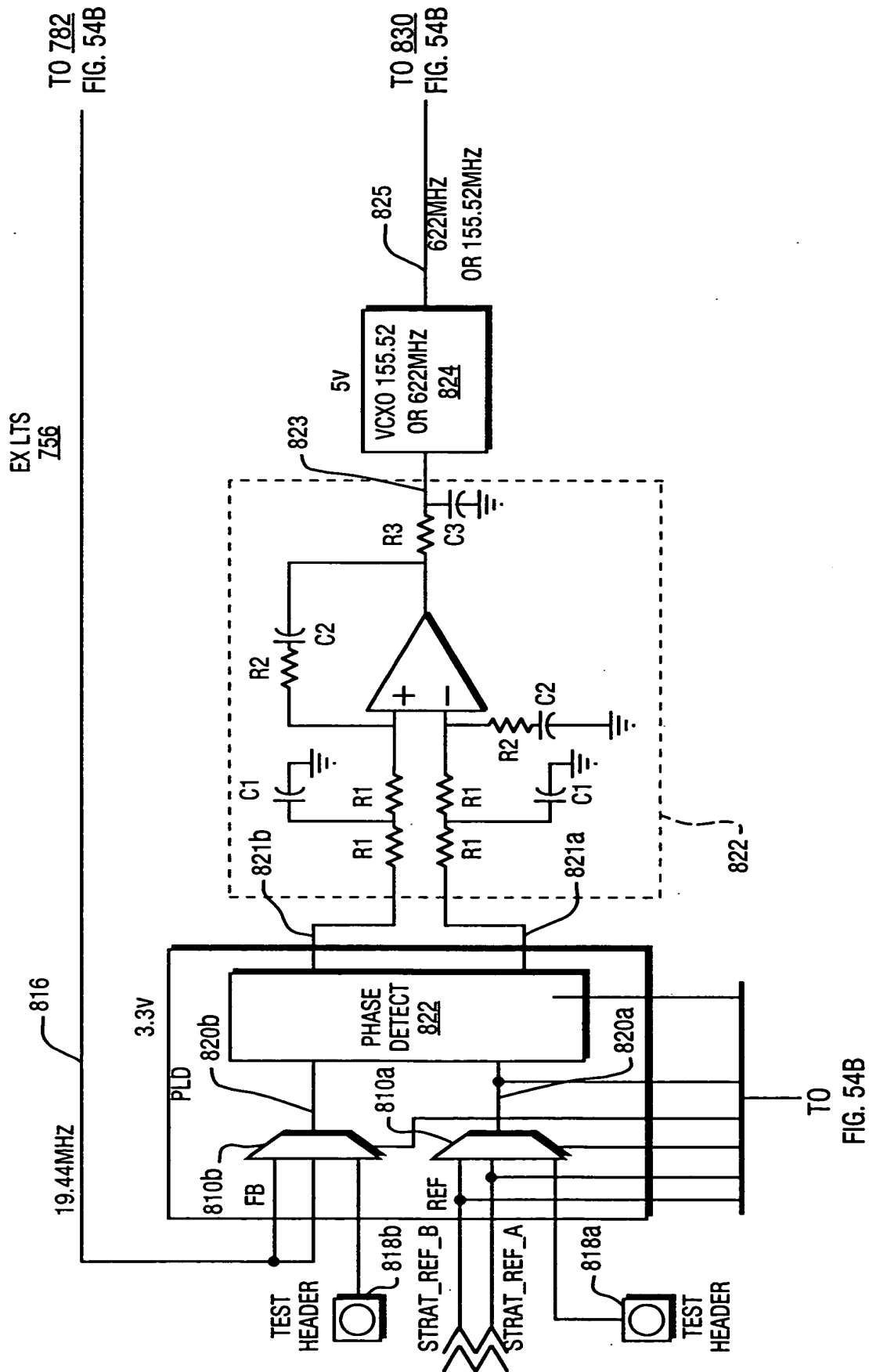


FIG. 54A

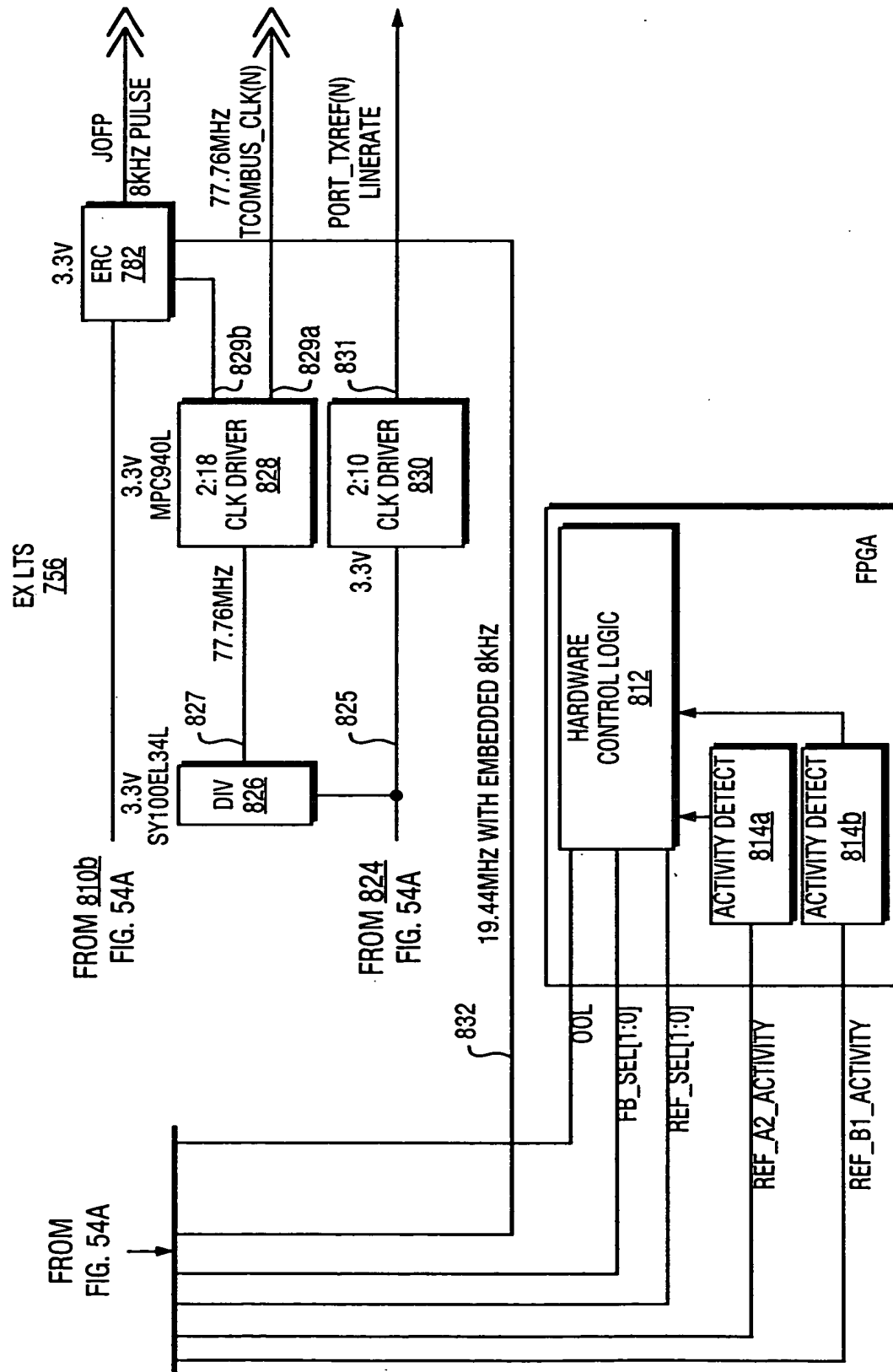


FIG. 54B

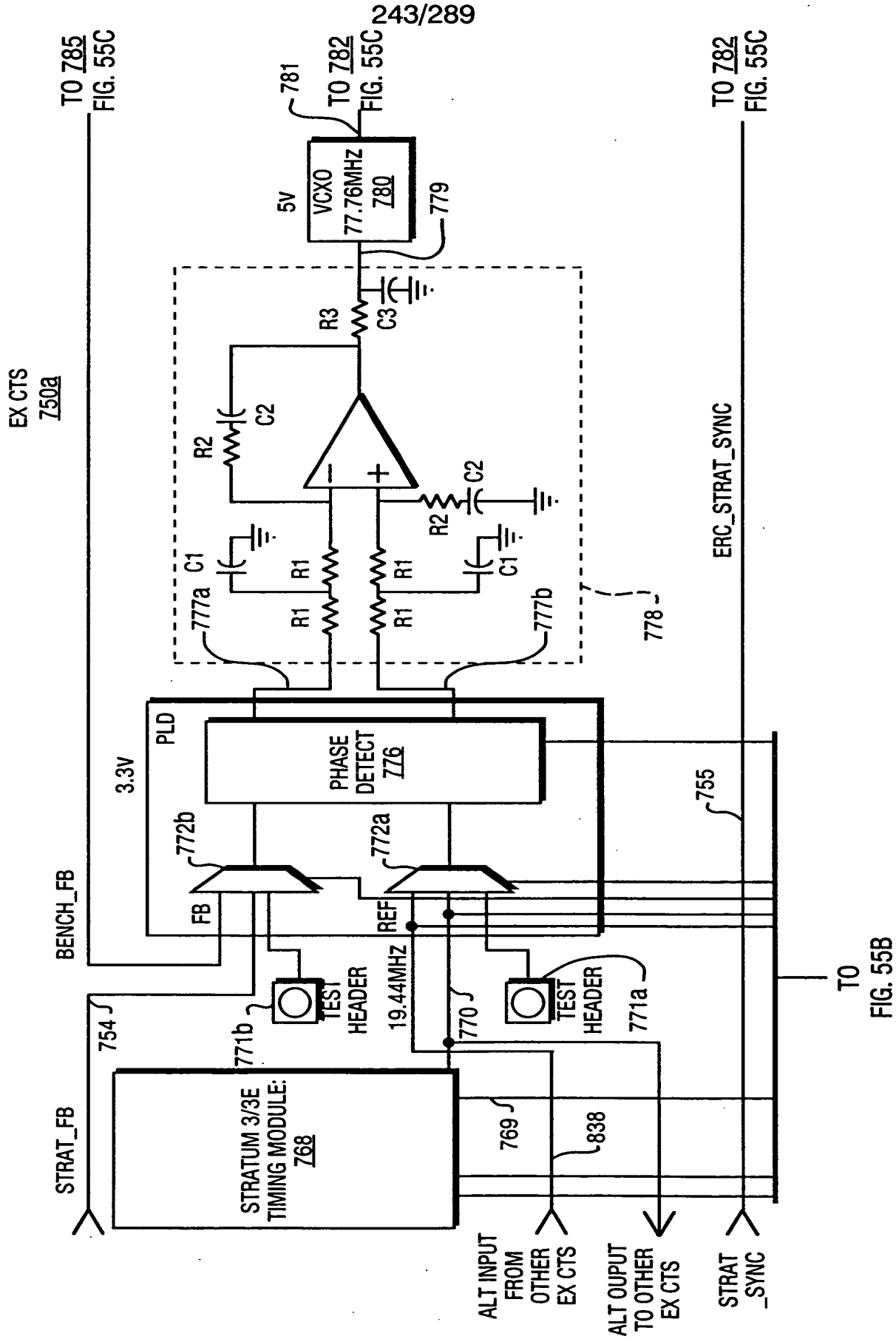


FIG. 55A

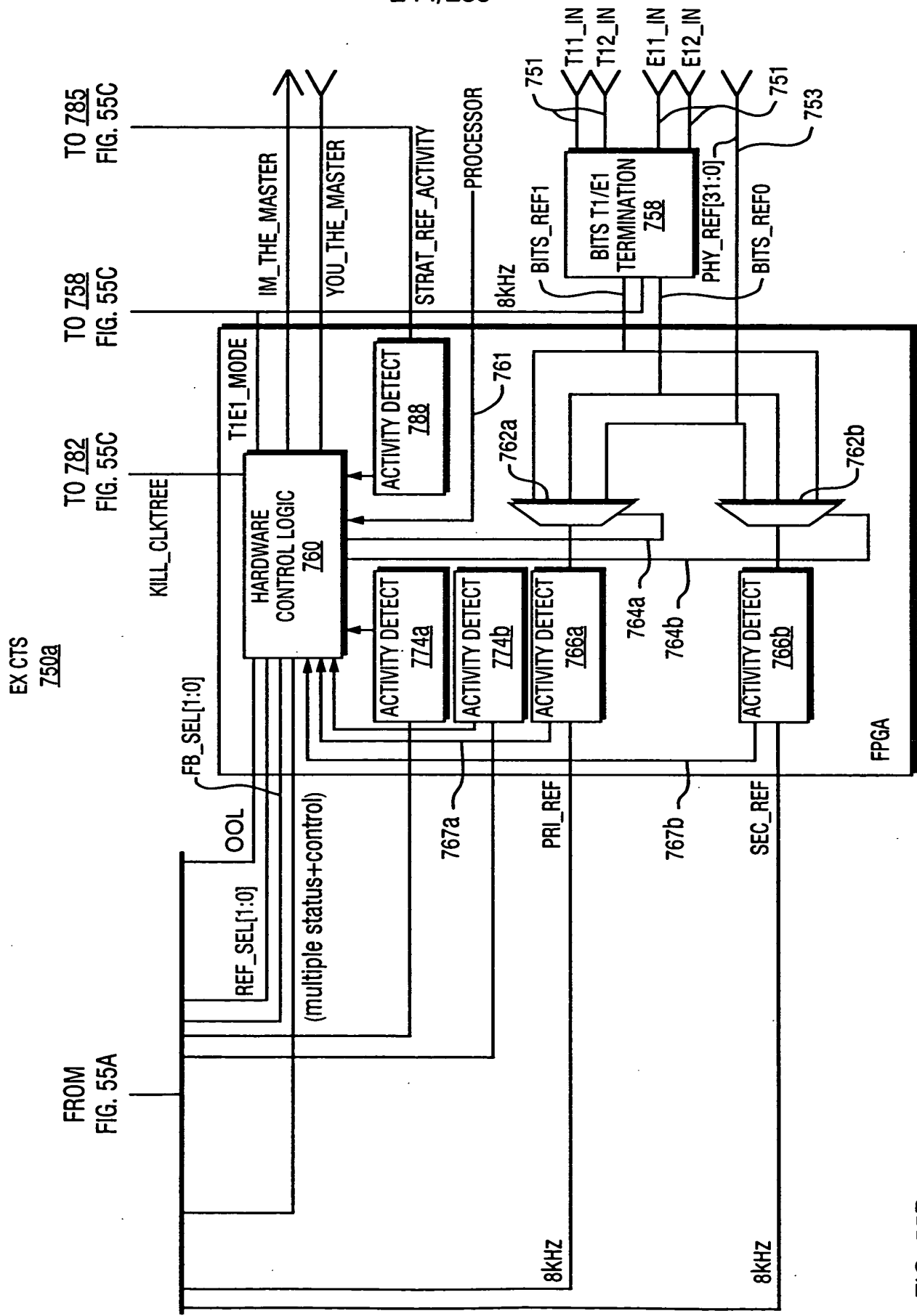
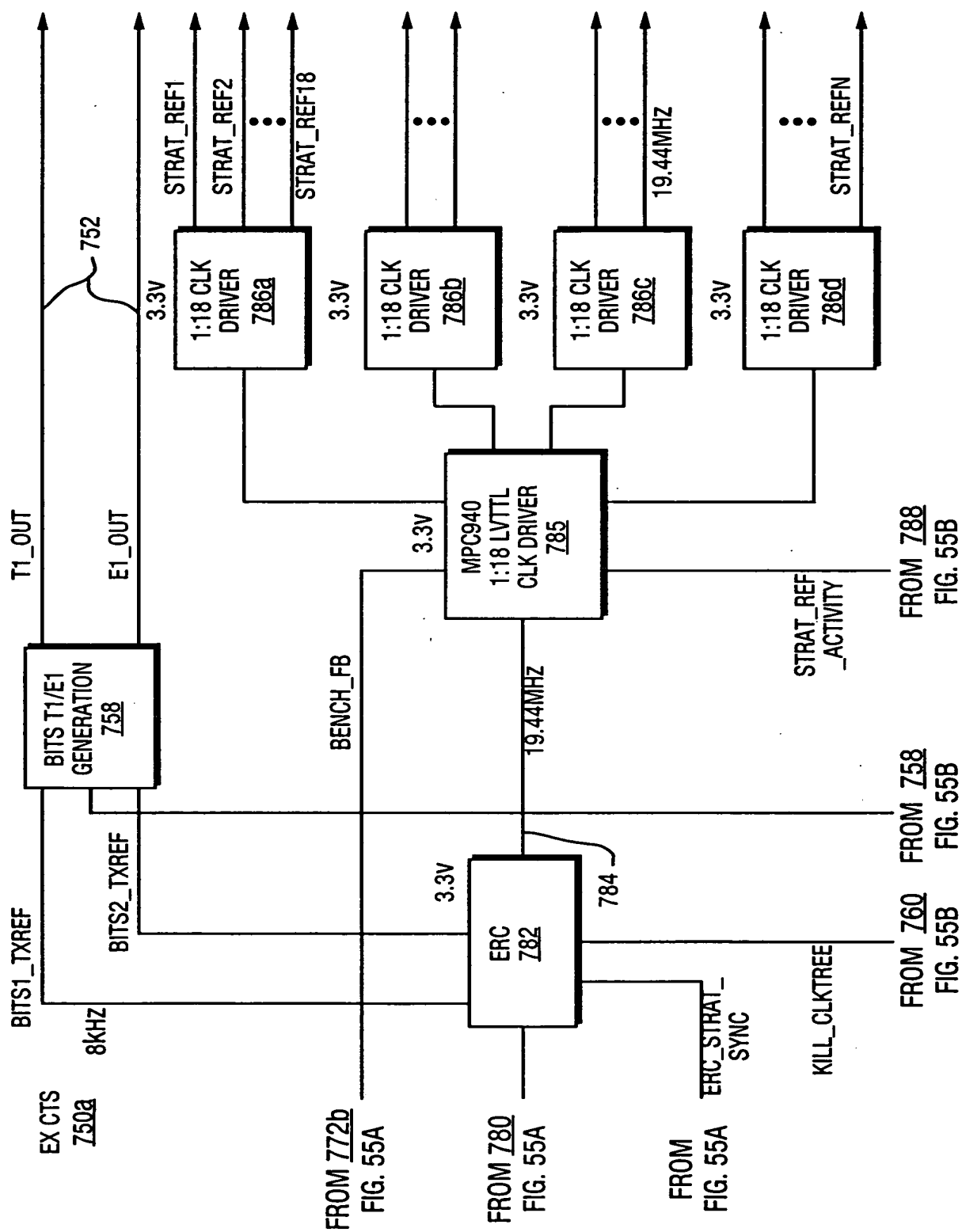


FIG. 55B



246/289

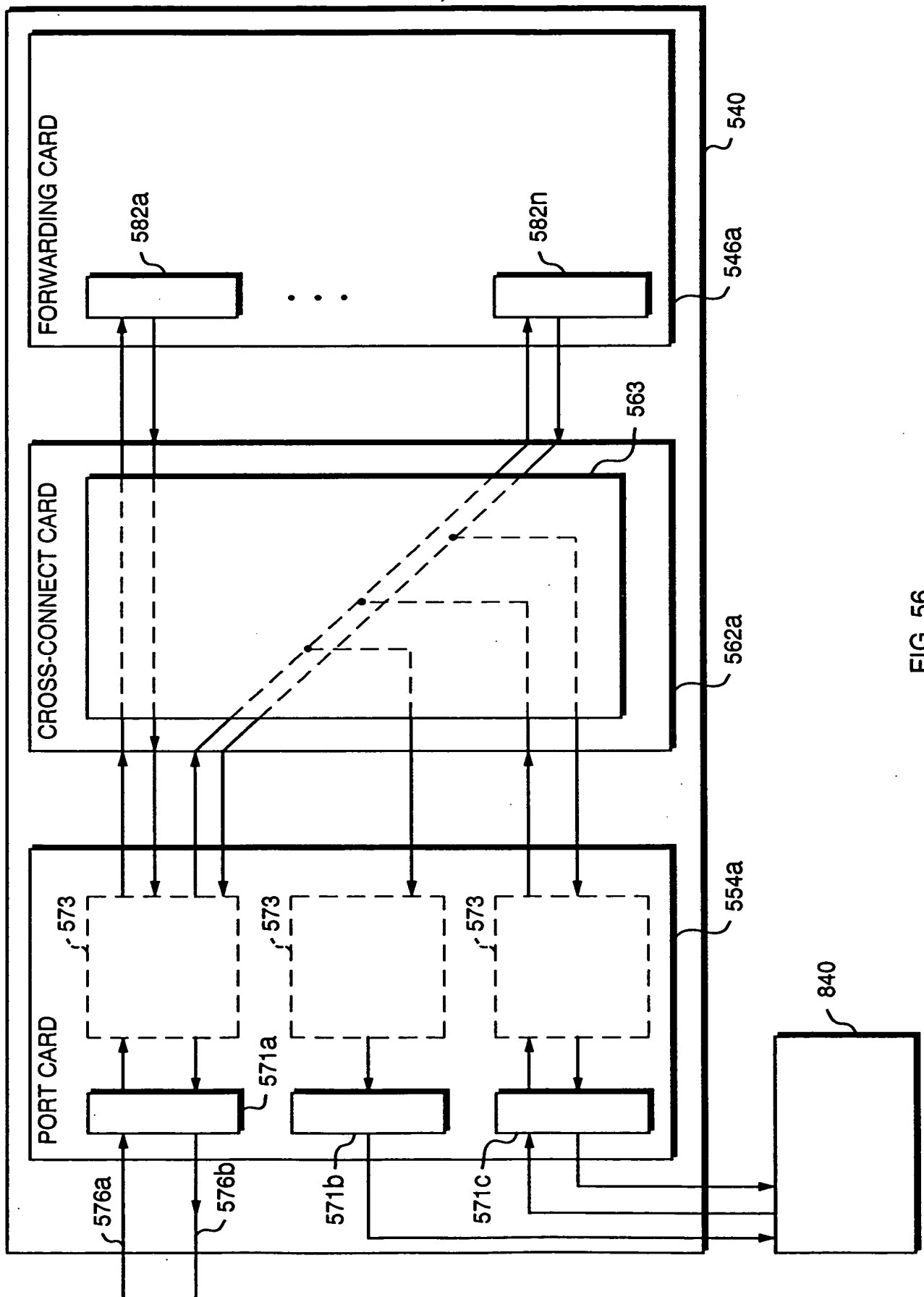


FIG. 56

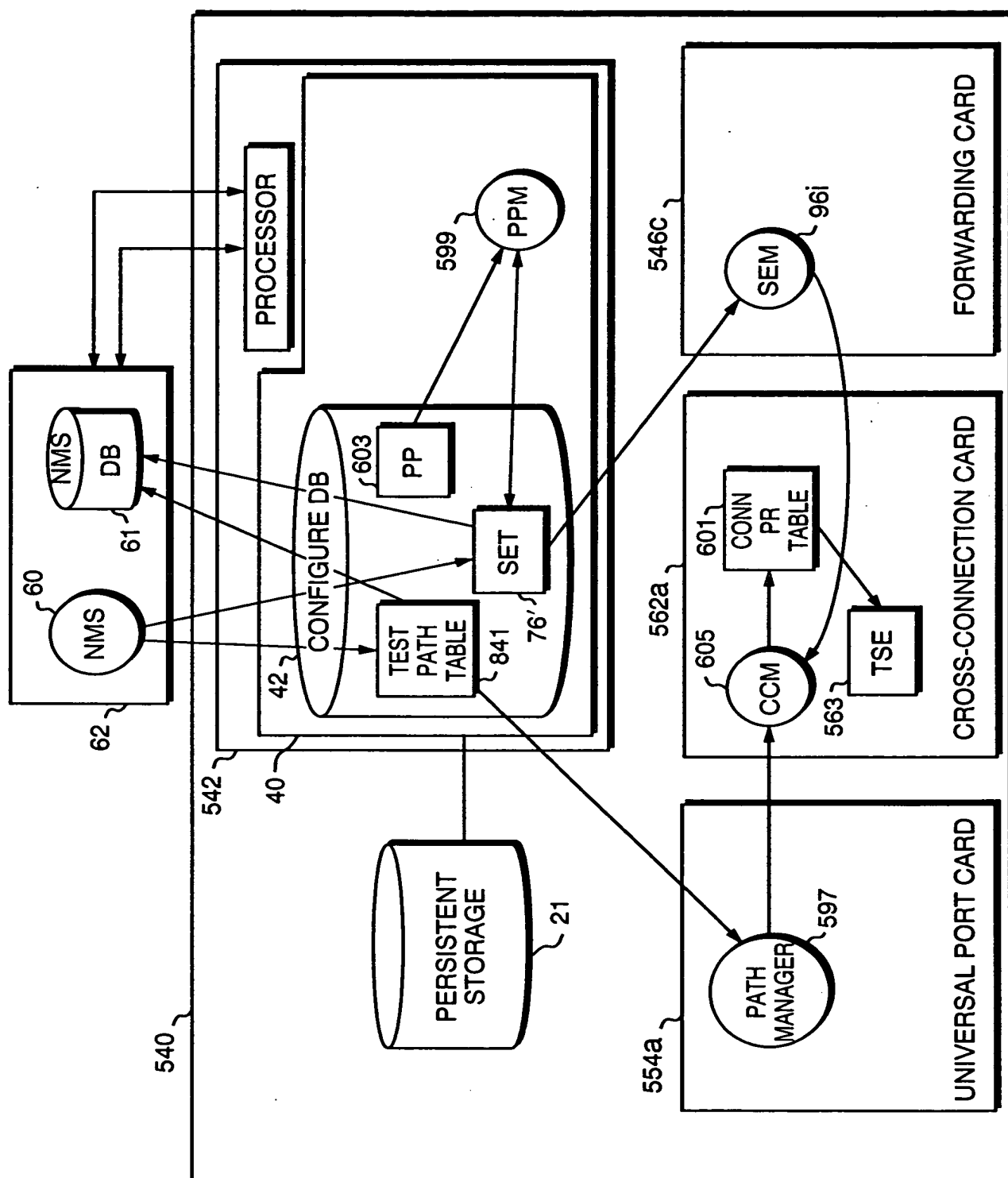


FIG. 57

TEST PATH TABLE 841

842			844			845	
PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	MONITOR	ENABLE PORT RECEIVER		
1666	1232	4	3	INGRESS	NO		...
1666	1233	4	3	EGRESS	NO		
1666	1233	4	3	INGRESS	YES		
.
.
.

FIG. 58

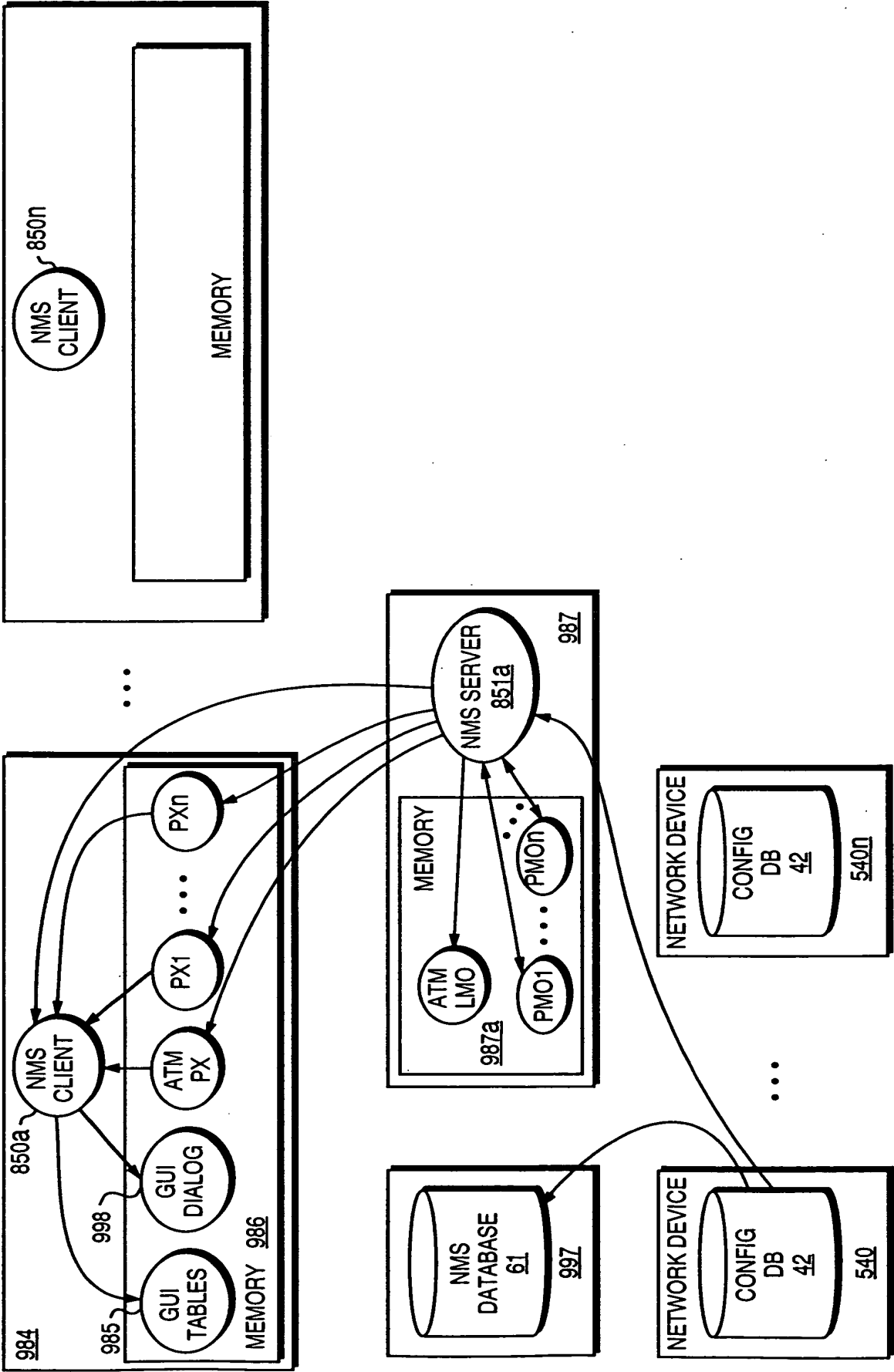


FIG. 59

250/289

MANAGED DEVICE TABLE 983

983b	PID	A1	...	An	983a
	1				

FIG 60A

CHASSIS TABLE 988

988b	PID	A1	...	An	MANAGED DEVICE PID	988c
	1				1	988a
	:	:	:	:	:	
	:	:	:	:	:	
	:	:	:	:	:	

FIG 60B

SHELF TABLE 989

989a	PID	A1	...	An	CHASSIS PID	989b
	3				2	
	4				2	
	:	:	:	:	:	
	:	:	:	:	:	
	:	:	:	:	:	
	18				2	

FIG 60C

SLOT TABLE 990

990a	PID	A1	...	An	SHELF PID	990b
990c	20				3	
	21				3	
	:	:	:	:	:	
	:	:	:	:	:	
990d	116				18	

FIG 60D

251/289

CARD TABLE 47'

47a	PID	CWD TYPE	VERSION NO.	SLOT PID	...
	120	0XF002	3	20	
	121	0XF002	4	21	
	⋮	⋮	⋮	⋮	⋮
	124	0X6002	1	24	
	⋮	⋮	⋮	⋮	⋮
	131	0XF002	1	31	
	⋮	⋮	⋮	⋮	⋮

FIG 60E

PORT TABLE 49'

49a	PID	PORT TYPE	VERSION NO.	CARD PID	...
	300	00620	1	20	
	301	00620	1	20	
	302	00620	1	20	
	303	00620	1	20	
	304	00820	1	20	
	⋮	⋮	⋮	⋮	⋮
	400	00620	1	39	
	⋮	⋮	⋮	⋮	⋮

FIG 60F

252/289

SONET PATH TABLE 600'

600a	600b				
	PATH LID	PORT LID	TIME SLOT	# OF TIME SLOTS	...
	901	304	4	3	
	⋮	⋮	⋮	⋮	⋮

FIG. 60G

SERVICE ENDPOINT TABLE 76''

76a	76c		76d		76e		76b
	SE LID	Q #	FC PID	FC SLICE PID	FC TIME SLOT	PATH LID	...
	3000					901	
	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 60H

ATM IF TABLE 114''

114a	114b			
	ATM IF LID	ATM GROUP LID	SE LID	...
	5054		3000	...
	⋮	⋮	⋮	...

FIG. 60I

253/289

VIRTUAL ATM IF TABLE 993

LID	A1	...	An	ATM IF LID
7489				5054
⋮	⋮	⋮	⋮	⋮

FIG 60J

VIRTUAL CONNECTION TABLE 994

LID	A1	...	An	VIR. ATM IF LID
⋮	⋮	⋮	⋮	⋮

FIG 60K

VIRTUAL LINK TABLE 995

LID	A1	...	An	VIR. CONN. LID	CROSS. CONN. LID
⋮	⋮	⋮	⋮	⋮	⋮

FIG 60L

CROSS-CONNECT TABLE 996

LID	A1	...	An	VIR. LINK1 LID	VIR. LINK2 LID
⋮	⋮	⋮	⋮	⋮	⋮

FIG 60M

ATM NODE TABLE 999

LID	A1	...	An	MANAGED DEVICE PID
5000				1

FIG 60N

PHYSICAL MANAGED OBJECT 991

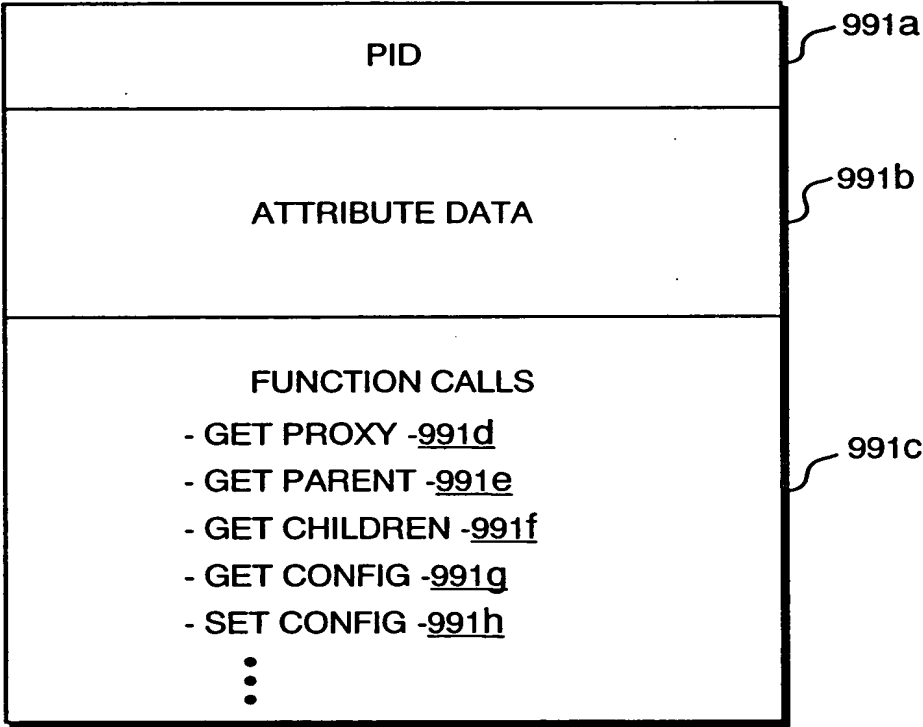


FIG. 61A

255/289

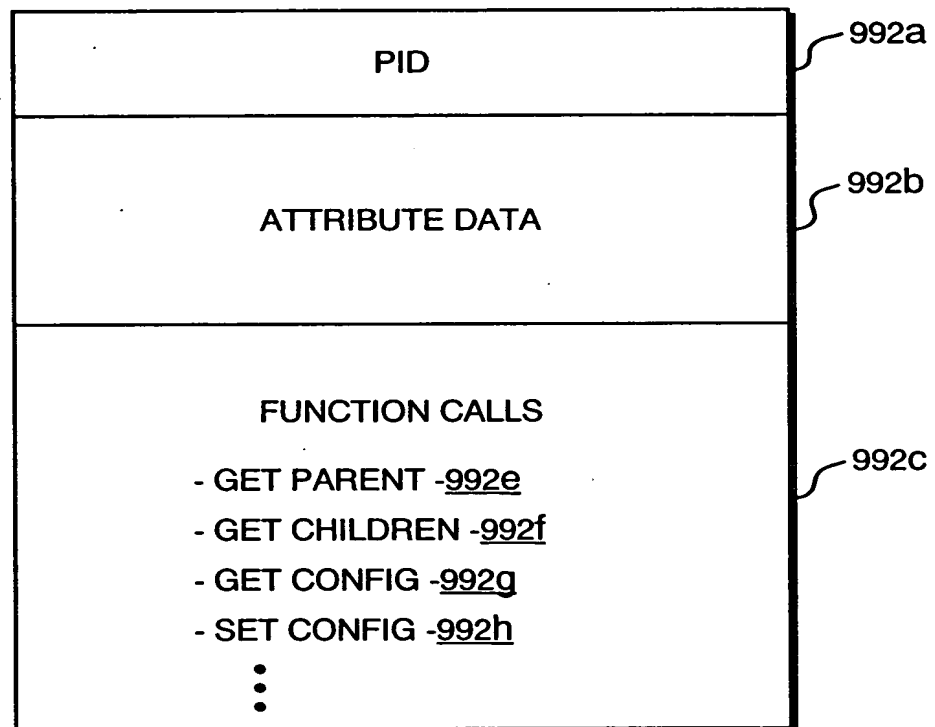
PROXY 992

FIG. 61B

997

EvaiiNet Manager: Modify SONET Path - Shelf 11/Slot4/Port 1

System: 192.168.9.202

SONET Path Parameters

Path Name

Path1_11/4/1

Path Number

1

Path Width

STS-3c

Path Type

Terminated-ATM

Connection Information

Connected SONET Path

Paths...

☒ None

☐ Specific

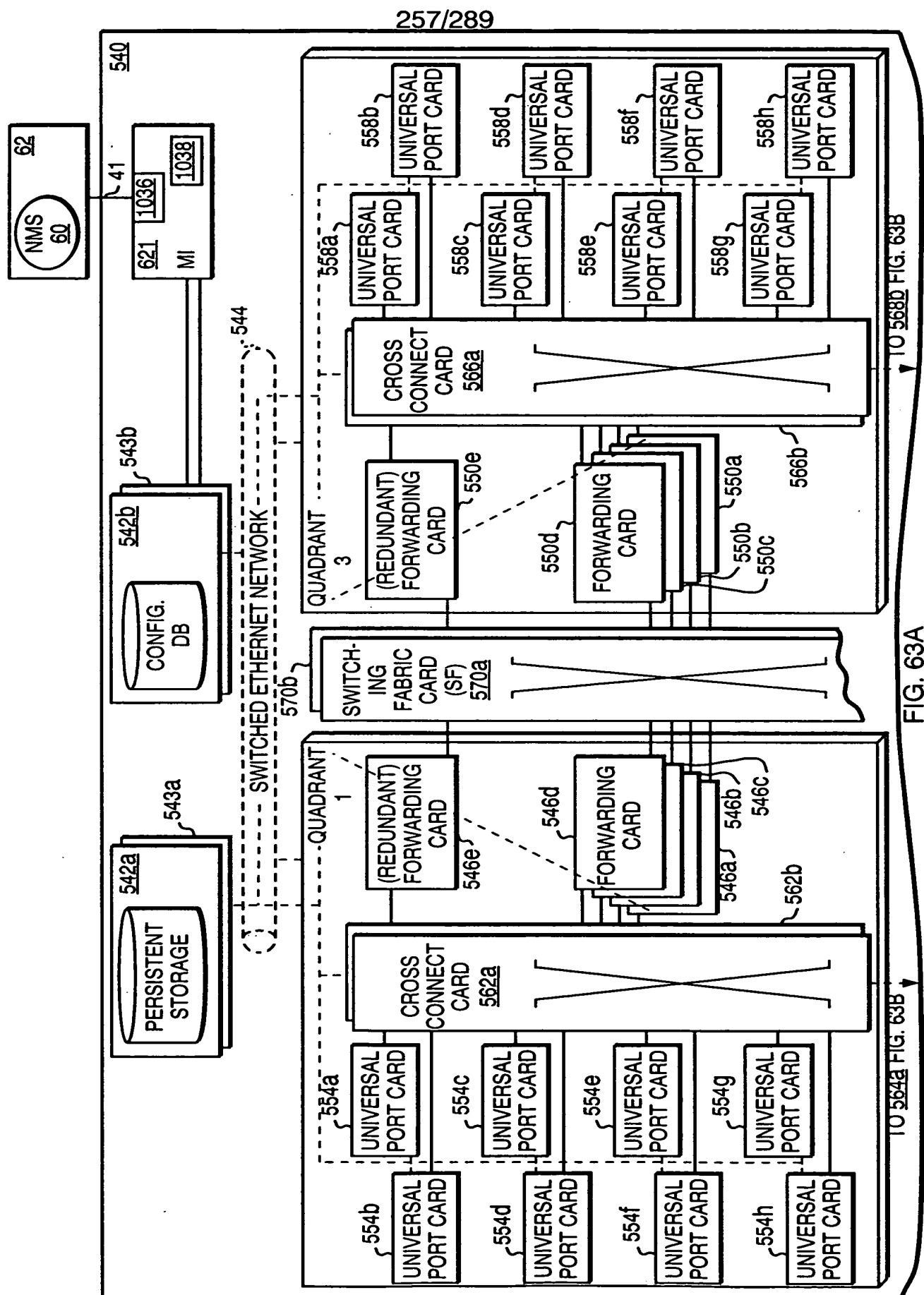
ATM Interface Name

Modules

OK

Cancel

FIG. 62



258/289

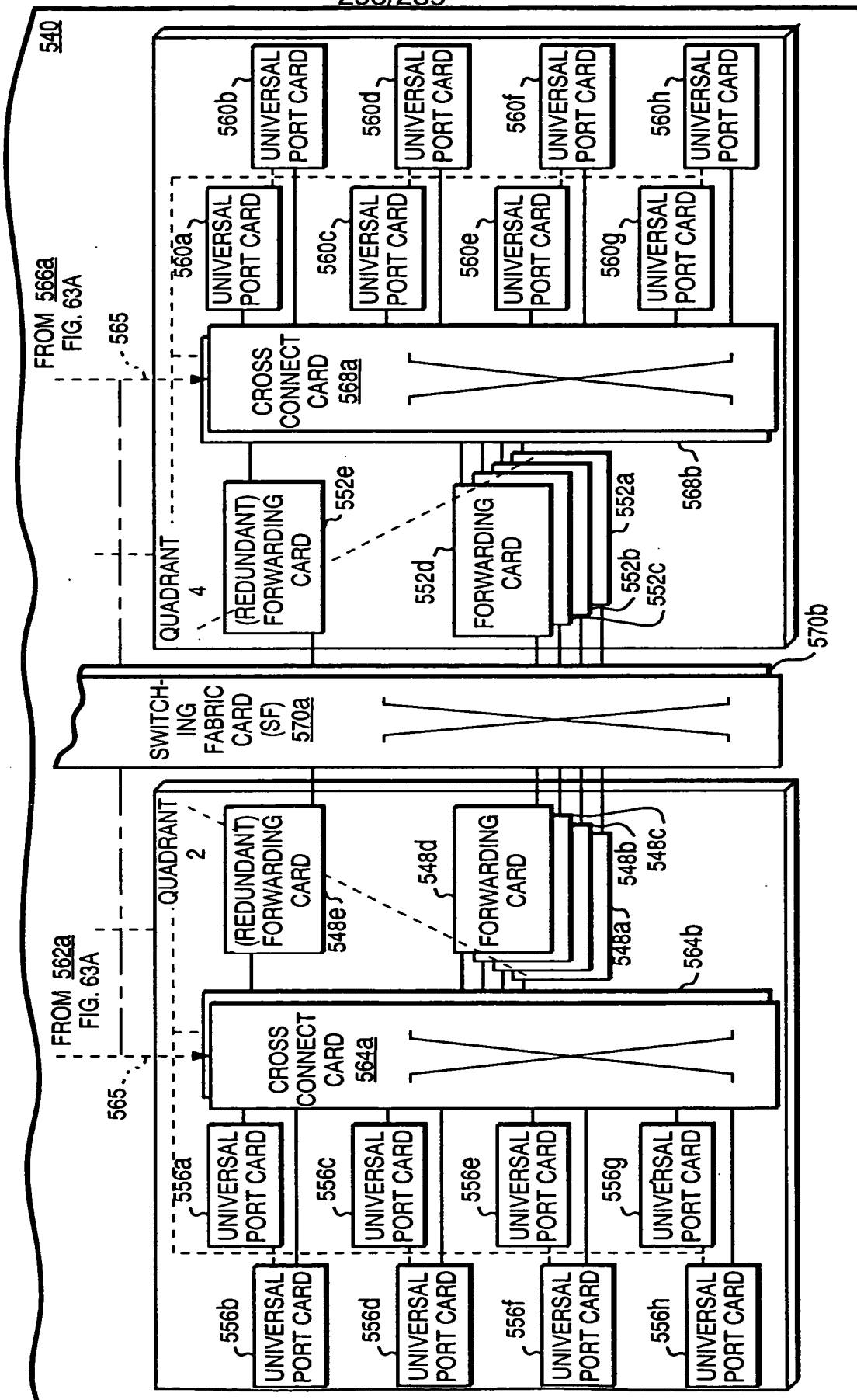


FIG. 63B

ADMINISTRATION MANAGED DEVICE TABLE 1014'

1014a' {

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD	PHYSICAL ID	PHYSICAL ID
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3		
.
.

{ 1014e' 1014f'

FIG. 64

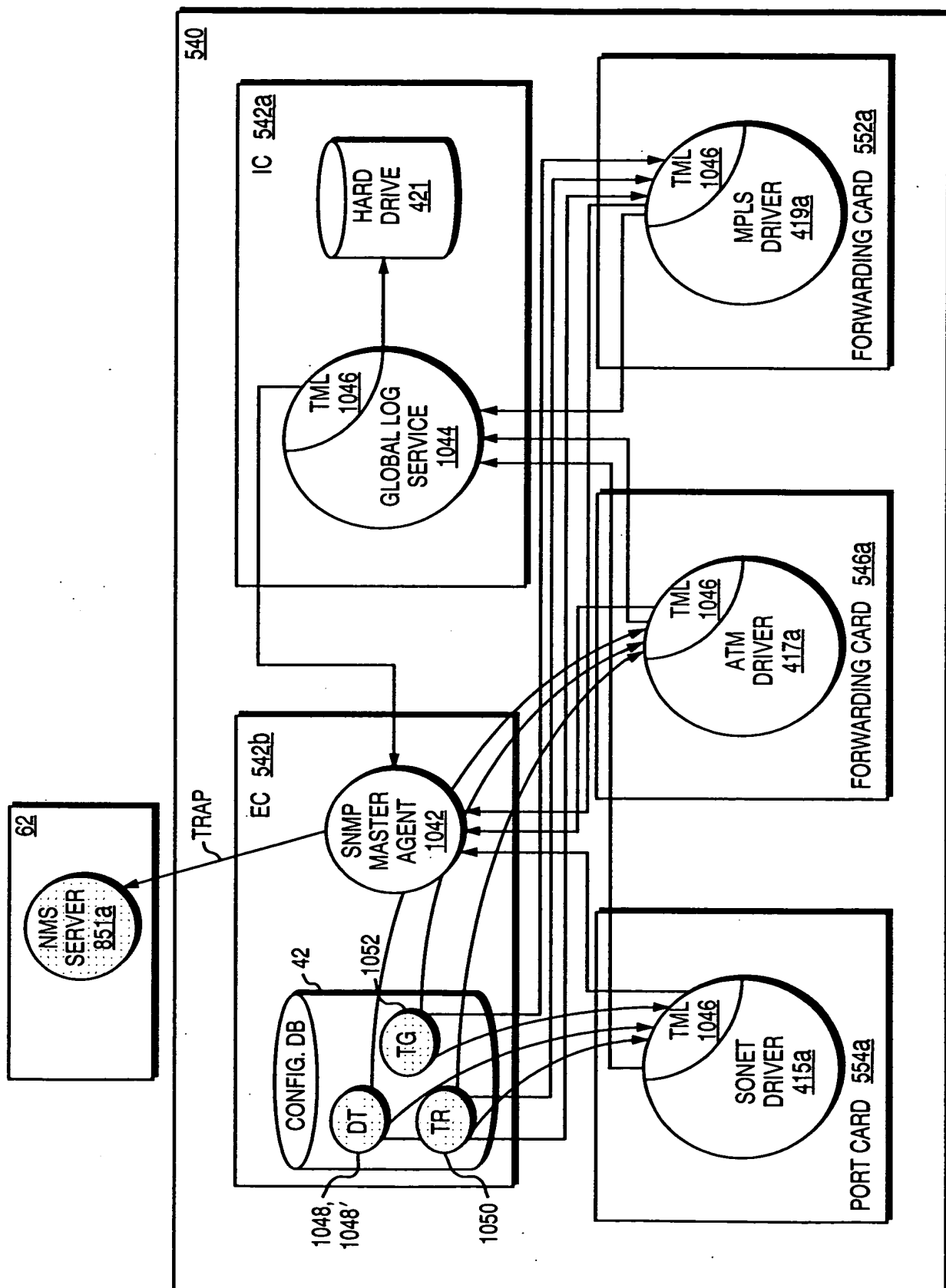


FIG. 65

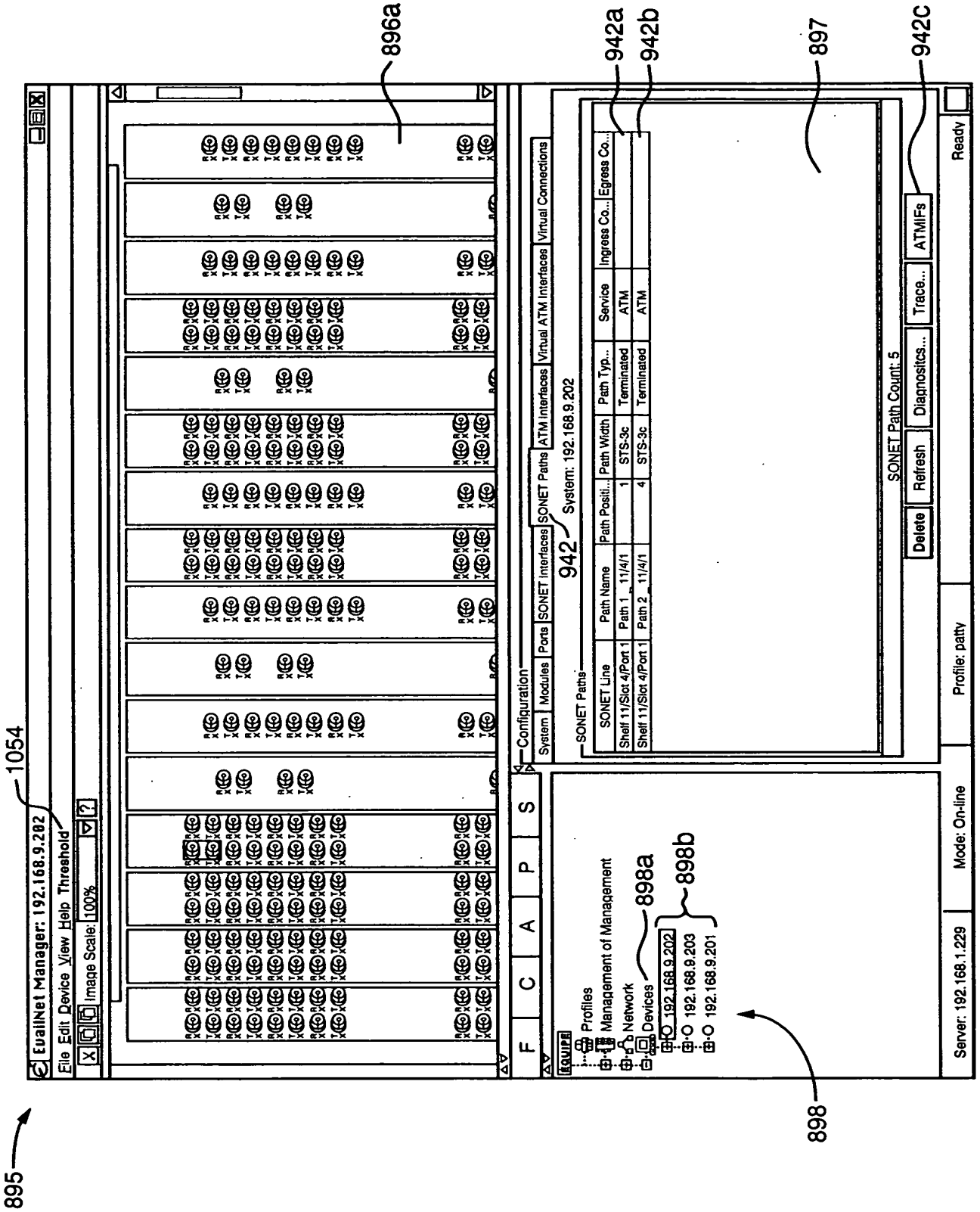
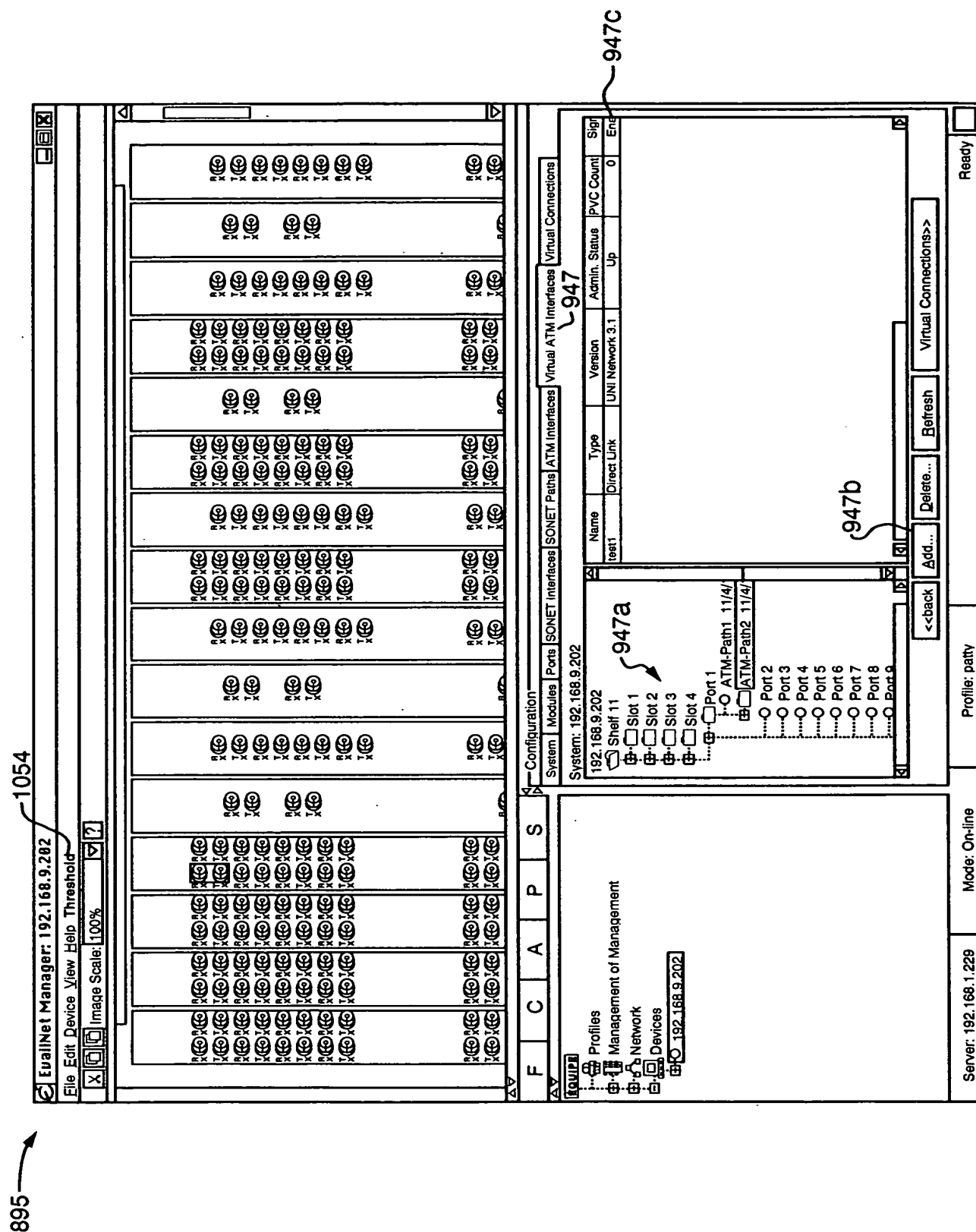


FIG. 66A



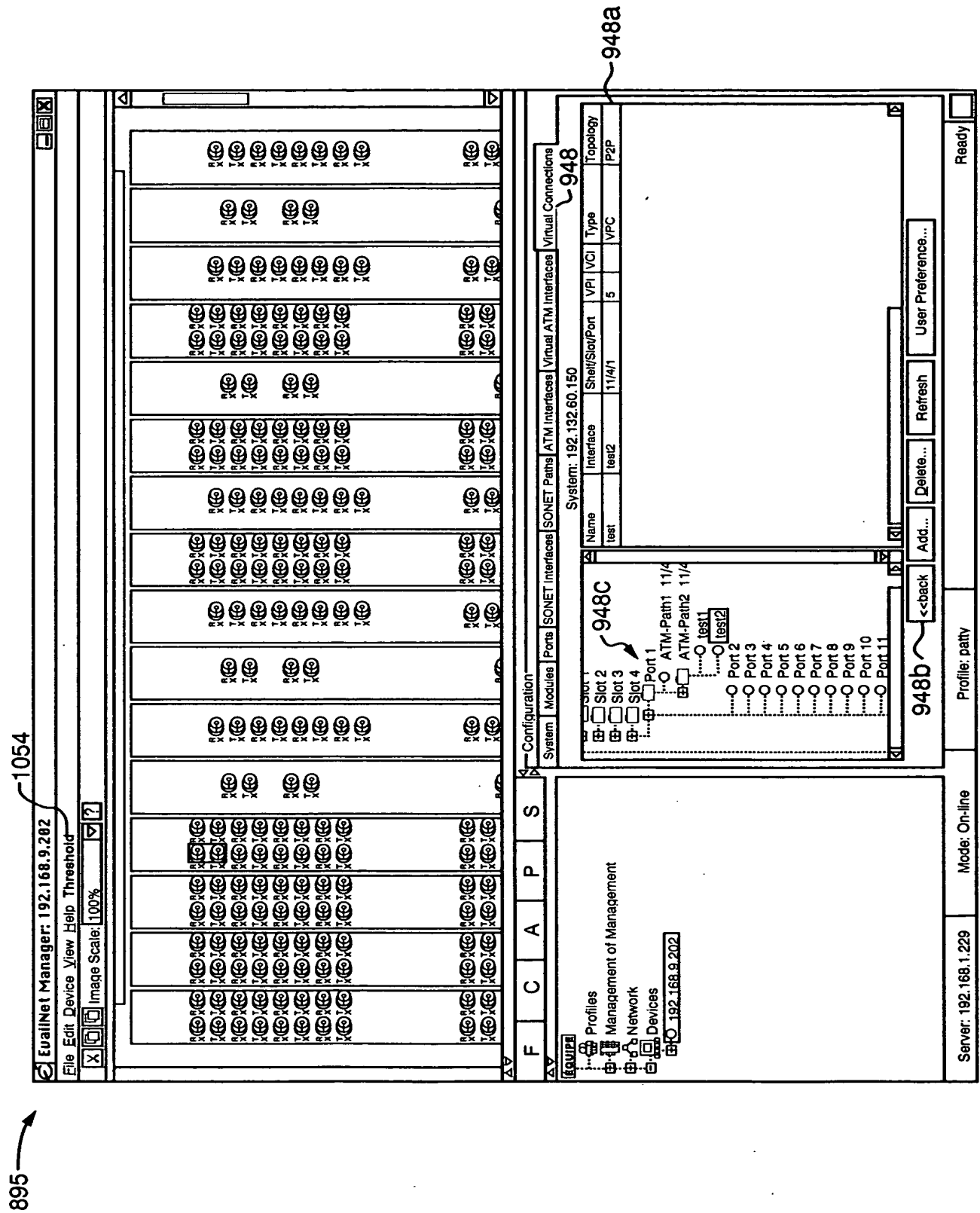


FIG. 66D

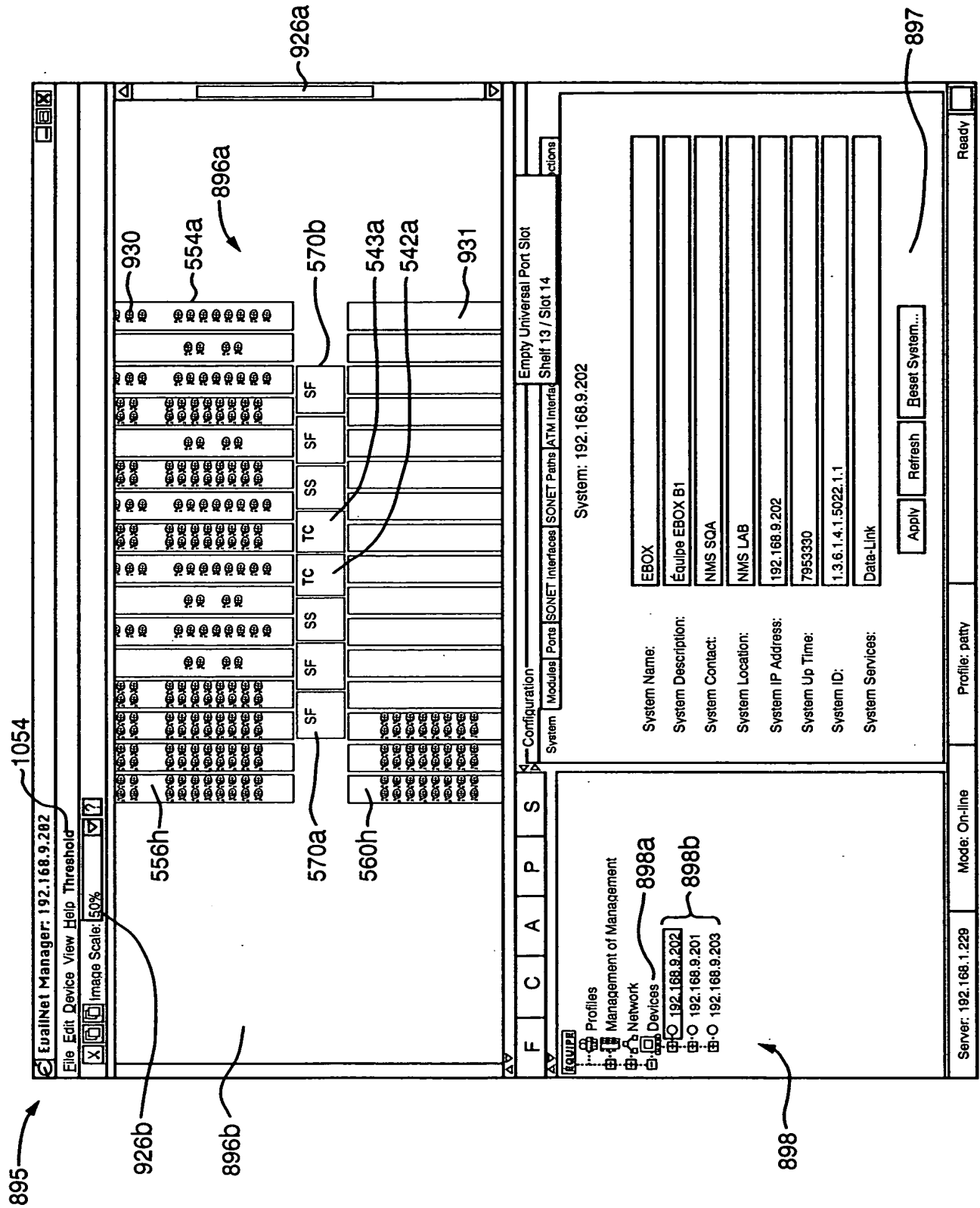


FIG. 66E

1056

THRESHOLD DIALOG BOX

1056a RESOURCE:

1056b ATTRIBUTE:

1056c THRESHOLD RULE:

1056d SAMPLING FREQUENCY:

1056e ACTION:

1056o ☐ LOG

1056n ☐ NMS

1056j

▼

1056k

▼

1056l

▼

1056m

▼

OK

CANCEL

1056p

FIG. 67

DYNAMIC THRESHOLD TABLE 1048

1048a RESOURCE ID	1048c ATTRIBUTE	1048d SAMPLING FREQ.	1048e ACTION	1048f RULE
901	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
901	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR > 10
901	PATH ERRORS (PATH END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR > 10
• • •	• • •	• • •	• • •	• • •
5054	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
5054	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
• • •	• • •	• • •	• • •	• • •
7312	RX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
7312	TX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
	• • •	• • •	• • •	• • •

FIG. 68

DYNAMIC THRESHOLD TABLE 1048'

1048a'	1048b'	1048c'	1048d'	1048e'	1048f'
THR. GROUP LID	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	IF ATTRIBUTE > 10
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	IF ATTRIBUTE < 5 OR > 10
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	IF ATTRIBUTE < 5 OR > 10
.
.
.
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	IF ATTRIBUTE > 8 BETWEEN 8:00am-7:00pm OR > 2 BETWEEN 7:00pm-8:00am
8433	ATM IF	HCS ERRORS	12 min	TRAP	IF ATTRIBUTE > 13
.
.
.
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE < 4
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	IF ATTRIBUTE = 0
.
.
.

FIG. 69A

THRESHOLD GROUP TABLE 1052

1052a

RESOURCE ID	THRESHOLD GROUP LID
901	8312
902	8313
903	8312
⋮	⋮
5054	8433
⋮	⋮
7312	8542

1052b

FIG. 69B

DYNAMIC THRESHOLD TABLE 1048''

1048a''	1048b''	1048c''	1048d''	1048e''	1048f''	1048g''	1048h''	1048i''	1048j''	1048k''	1048l''	1048t''
THR. GROUP LID	RESOURCE	ATTRIBUTE	SAMPLING FREQ.	ACTION	RULE LID	VARIAB. a	VARIAB. b	VARIAB. c	VARIAB. d	VARIAB. e	VARIAB. f	VARIAB. n
8312	SONET PATH	UNAVAILABLE SECONDS (PATH END)	15 min	LOG	9421	10						
8312	SONET PATH	PATH ERRORS (PATH END)	15 min	TRAP	9422	5	10					
8312	SONET PATH	PATH ERRORS (FAR END)	5 min	LOG & TRAP	9422	5	10					
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8433	ATM IF	FAILED CALL ATTEMPTS	10 min	TRAP	9423	8	8:00am	7:00pm	2	7:00pm	8:00am	
8433	ATM IF	HCS ERRORS	12 min	TRAP	9421	13						
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
8542	VIRTUAL CONN.	RX TRAFFIC	1 HOUR	TRAP	9424	4						
8542	VIRTUAL CONN.	TX TRAFFIC	1 HOUR	TRAP	9425							
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

270/289

FIG. 70A

THRESHOLD RULE TABLE 1050

1050a	RULE LID	EXPRESSION	1050b
1050c	9421	IF ATTRIBUTE > a	
	9422	IF ATTRIBUTE < a OR > b	
	9423	IF ATTRIBUTE > a BETWEEN b-c OR > d BETWEEN e-f	
	9424	IF ATTRIBUTE < a	
	9425	IF ATTRIBUTE = 0	
	9426	RMON	
	9427	FOE	
	9428	IF ATTRIBUTE < a GO TO RULE LID b	
	⋮	⋮	

FIG. 70B

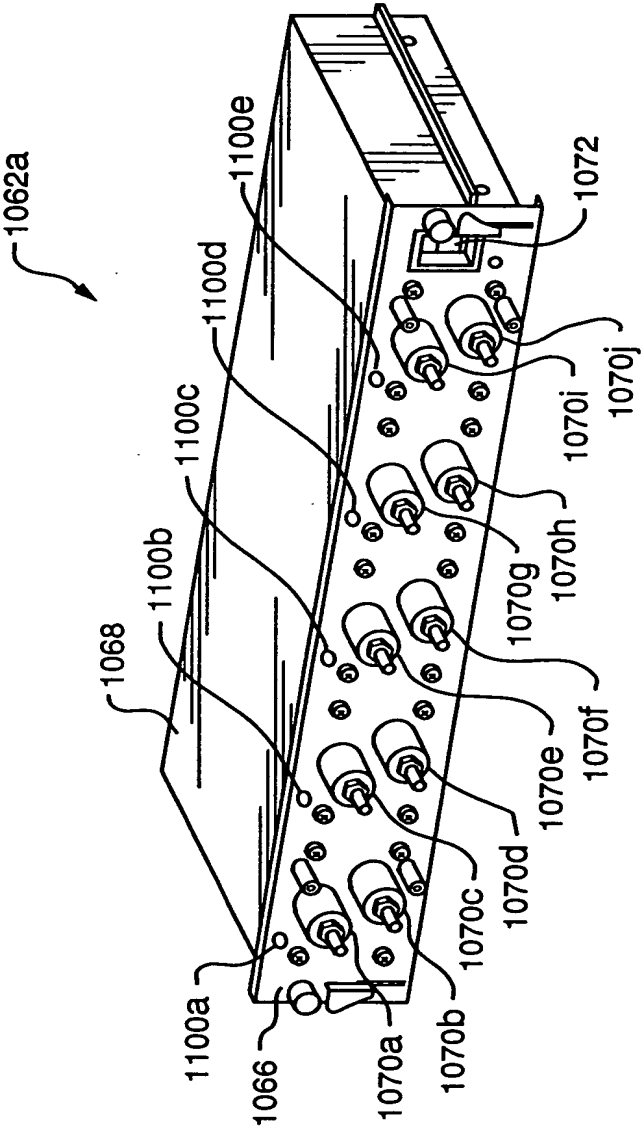


FIG. 72A

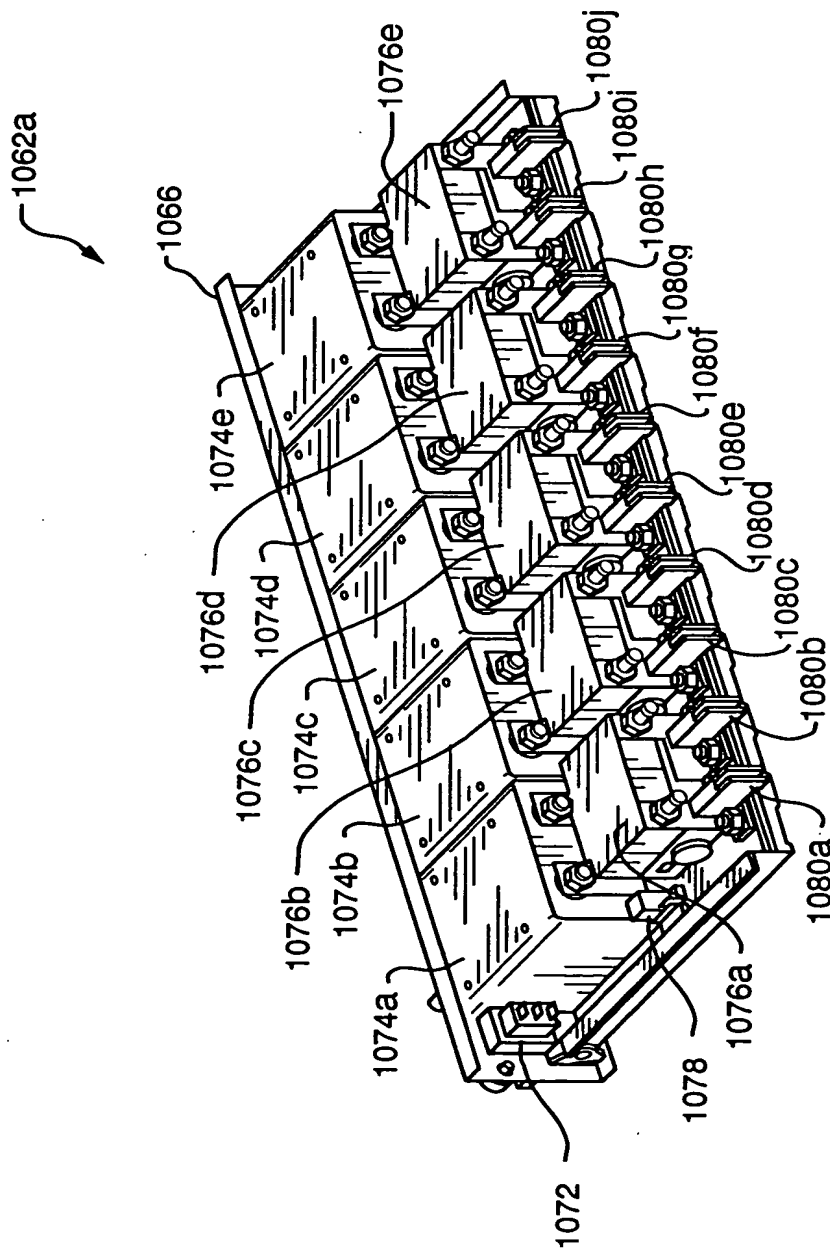
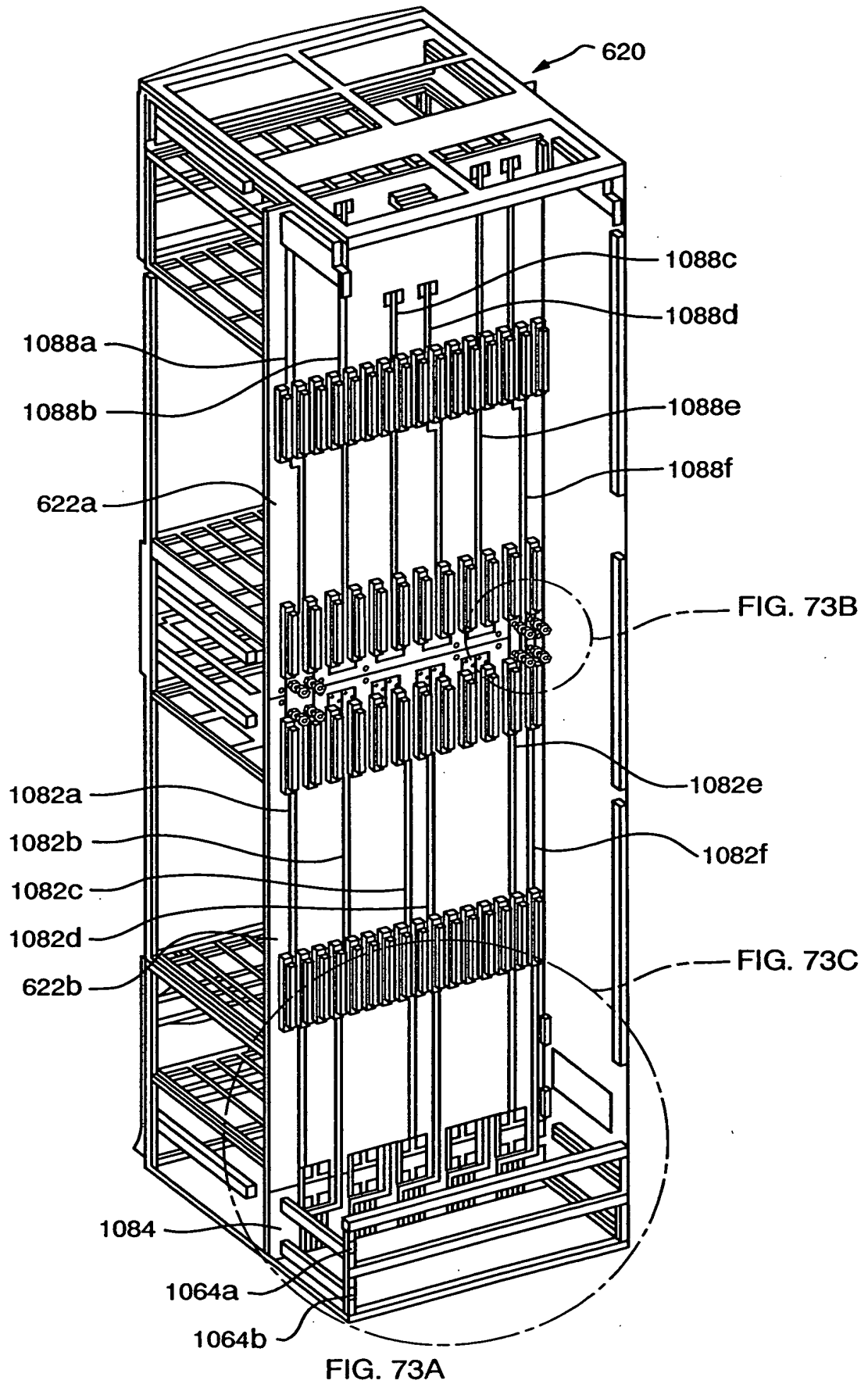


FIG. 72B

275/289



276/289

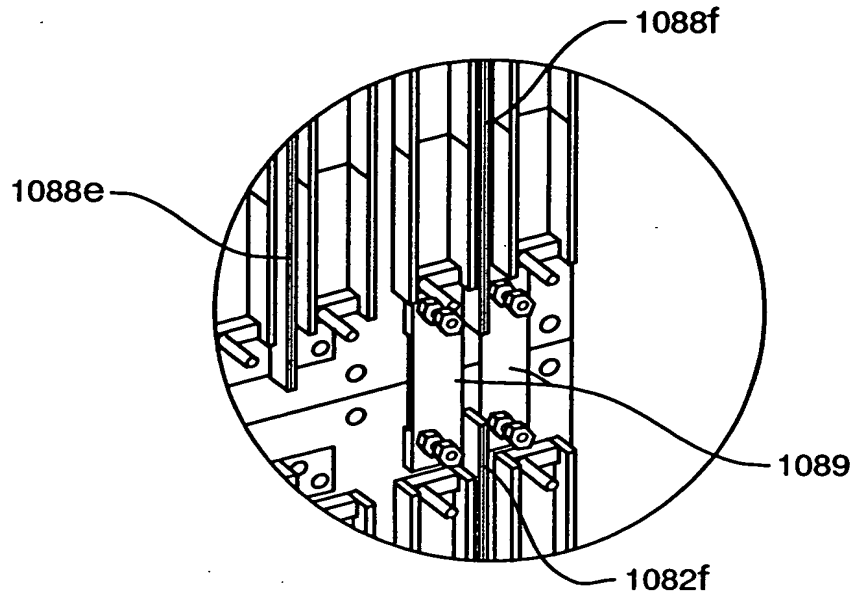


FIG. 73B

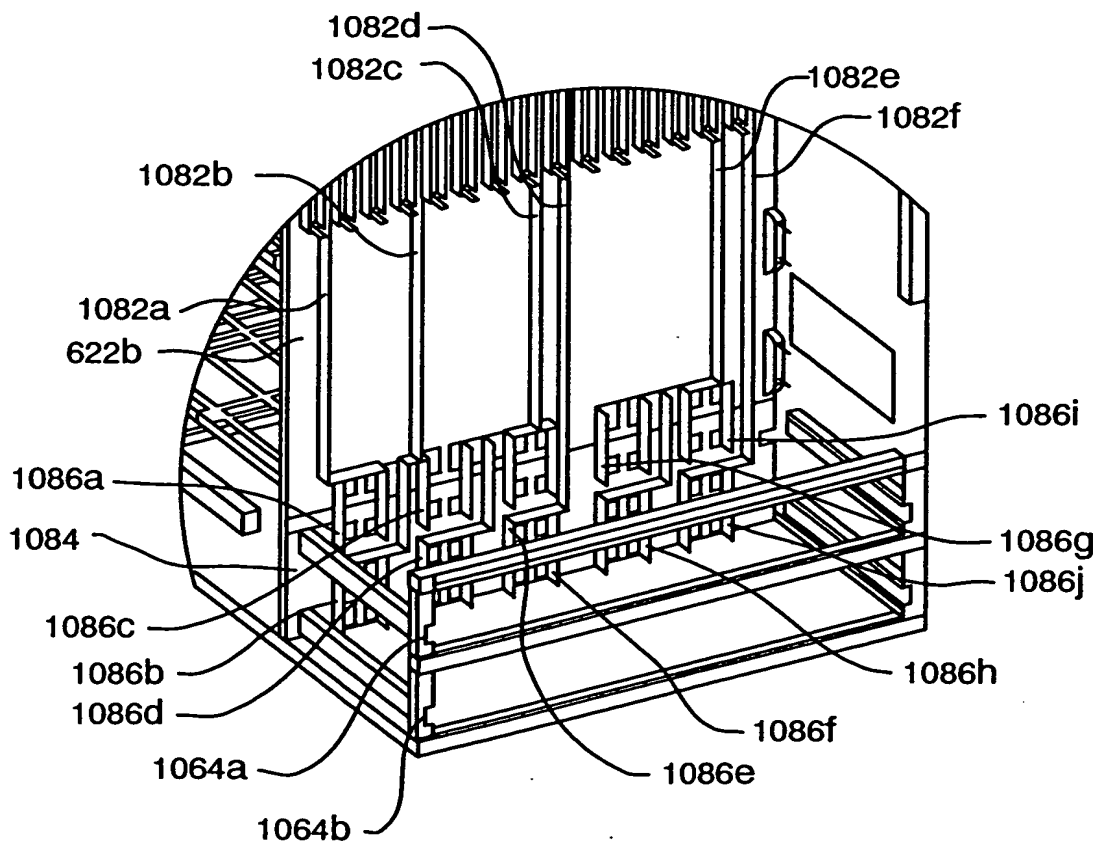


FIG. 73C

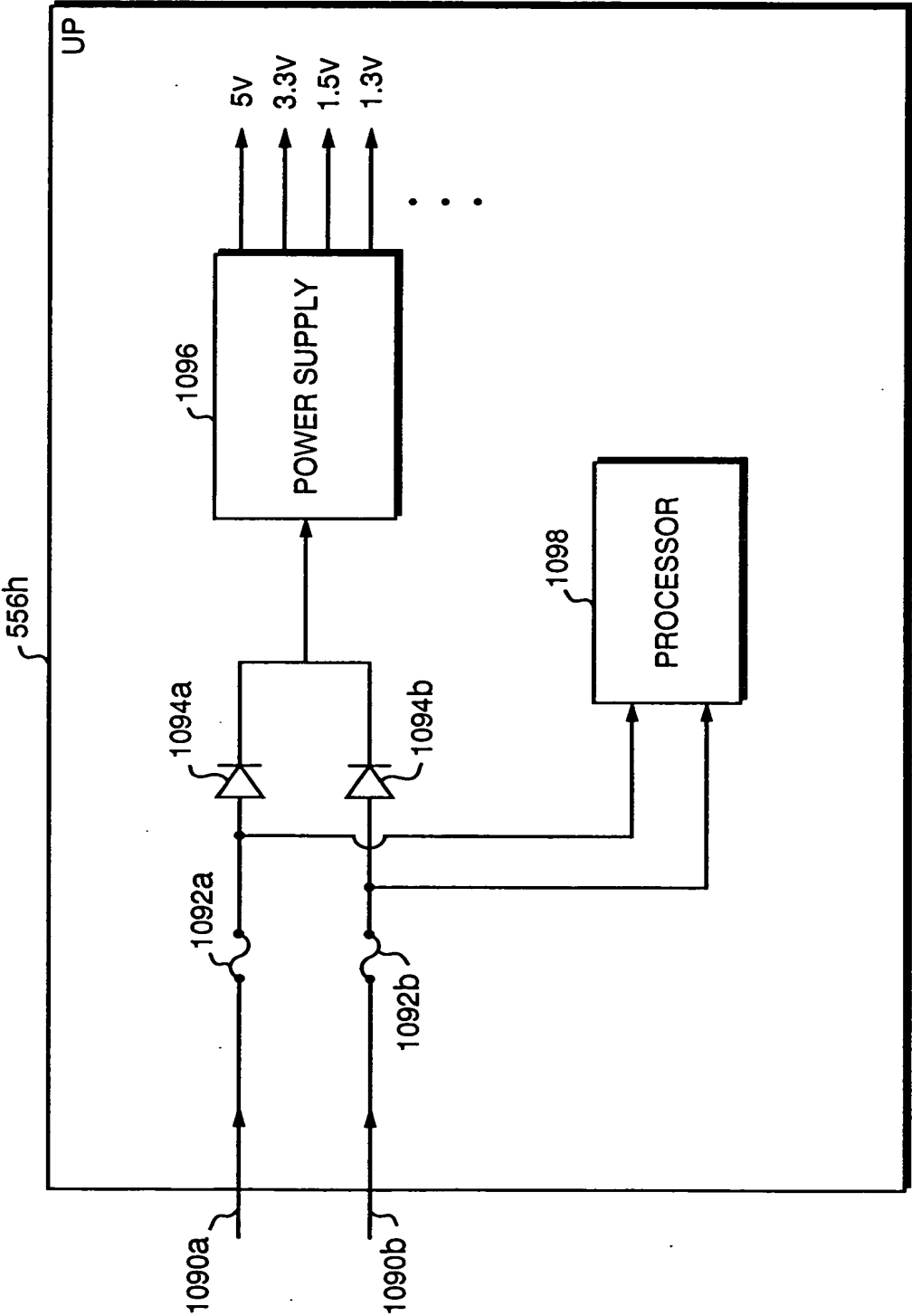


FIG. 74

1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11/4/1
 - ATM-Path2_11/4/1
 - test1
 - test2
 - Port 2
 - Port 3
 - Port 4

End Point 1

- Slot 3
- Slot 4
- Slot 5
 - Port 1
 - Port 2
 - ATM-Path1_11/5/2
 - test3
 - ATM-Path2_11/5/2
 - ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e VPI Index

VCI:

Transmit Traffic Descriptor: VBR-high

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f VPI Index

VCI:

Transmit Traffic Descriptor: VBR-high

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

<<Back Finish Cancel

1102a

1102b

FIG. 75

279/289

1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11/4/1
 - ATM-Path2_11/4/1
 - test1
 - test2
 - Port 2
 - Port 3
 - Port 4

End Point 2

- Slot 3
- Slot 4
- Slot 5
 - Port 1
 - Port 2
 - ATM-Path1_11/5/2
 - test3
 - ATM-Path2_11/5/2
 - ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e VPI/VCI Index

VCI: 1102g

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptor...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f VPI/VCI Index

VCI: 1102h

Transmit Traffic Descriptor: VBR-high Add Traffic Descriptors...

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

<<Back Finish Cancel

FIG. 76

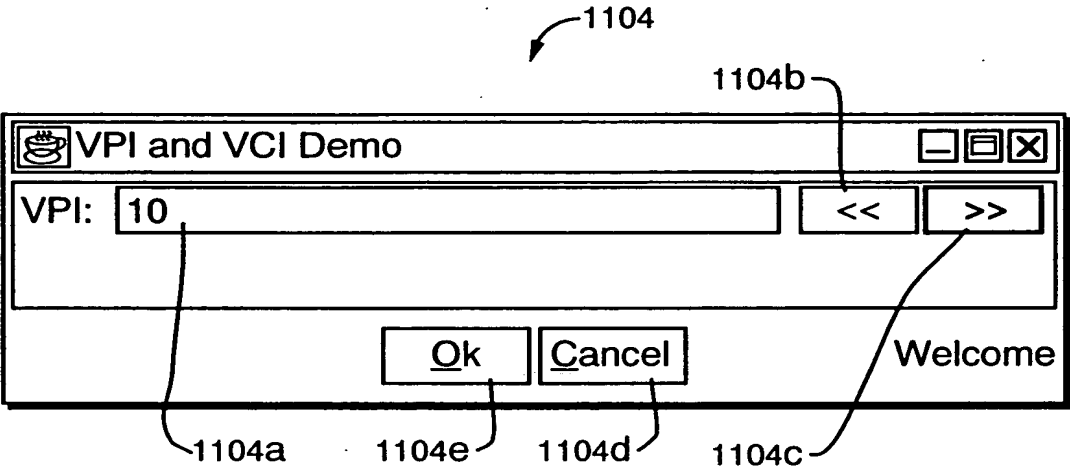


FIG. 77

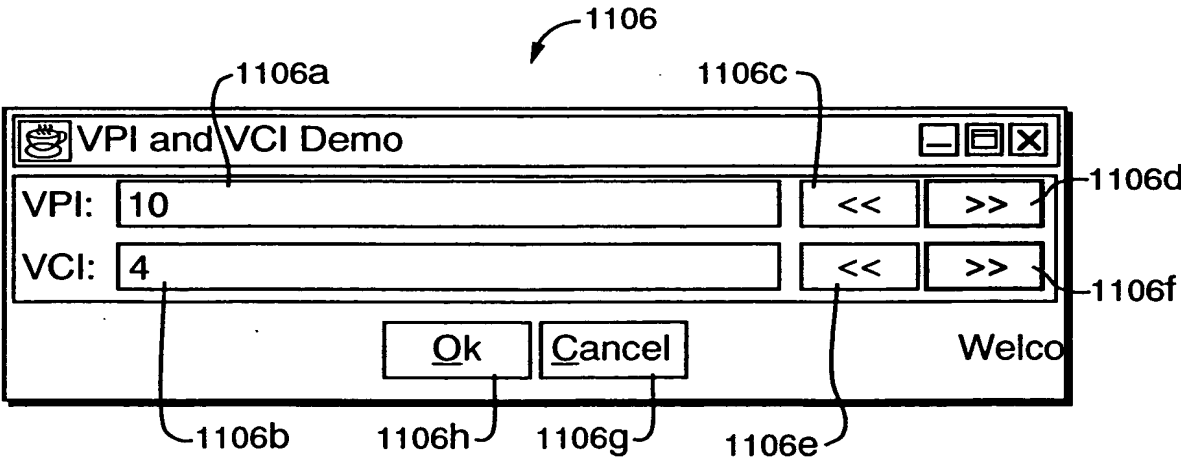


FIG. 78

1102

EvailNet Manager: 192.168.9.202-Virtual Connection Wizard

Source: 192.168.9.202 Destination: 192.168.9.202

End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11/4/1
 - ATM-Path2_11/4/1
 - test2
 - test1
 - Port 2
 - Port 3
 - Port 4

End Point 2

- Slot 3
- Slot 4
- Slot 5
 - Port 1
 - Port 2
 - ATM-Path1_11/5/2
 - test3
 - ATM-Path2_11/5/2
 - ATM-Path3_11/5/2

Connection Parameters

Connection Name: test

Admin Status: Up

Customer Name:

End Point 1 Parameters:

VPI: 1102e 1102j ☐ Use Any VPI Value

VCI: 1102g 1102i ☐ Use Any VCI Value

Transmit Traffic Descriptor: VBR-high 1102j

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

End Point 2 Parameters:

VPI: 1102f 1102j ☐ Use Any VPI Value

VCI: 1102h 1102i ☐ Use Any VCI Value

Transmit Traffic Descriptor: VBR-high 1102j

Receive Traffic Descriptor: VBR-high

☐ Use the same Traffic Descriptor for both Transmit and Receive

<<Back Finish Cancel

FIG. 79

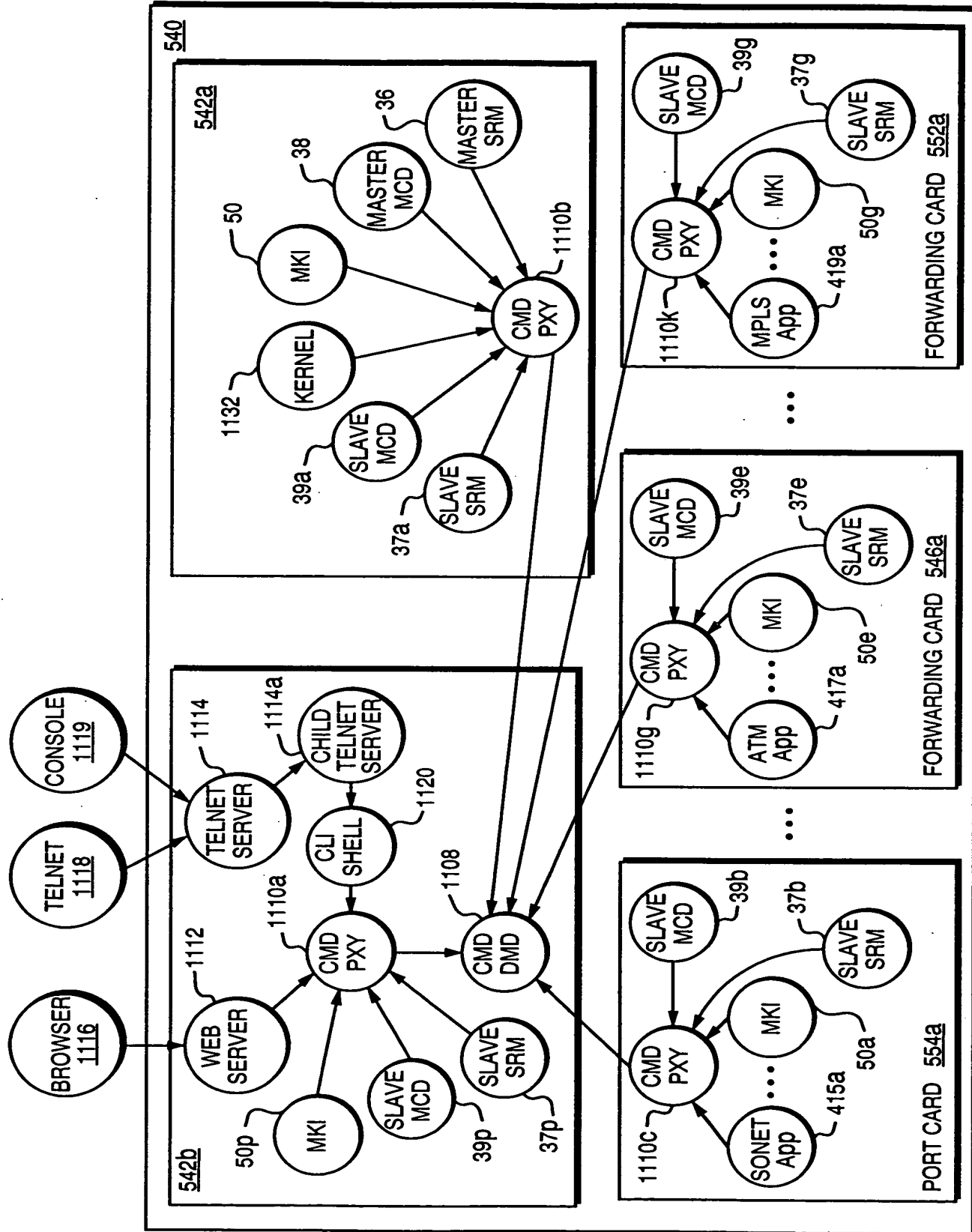


FIG. 80

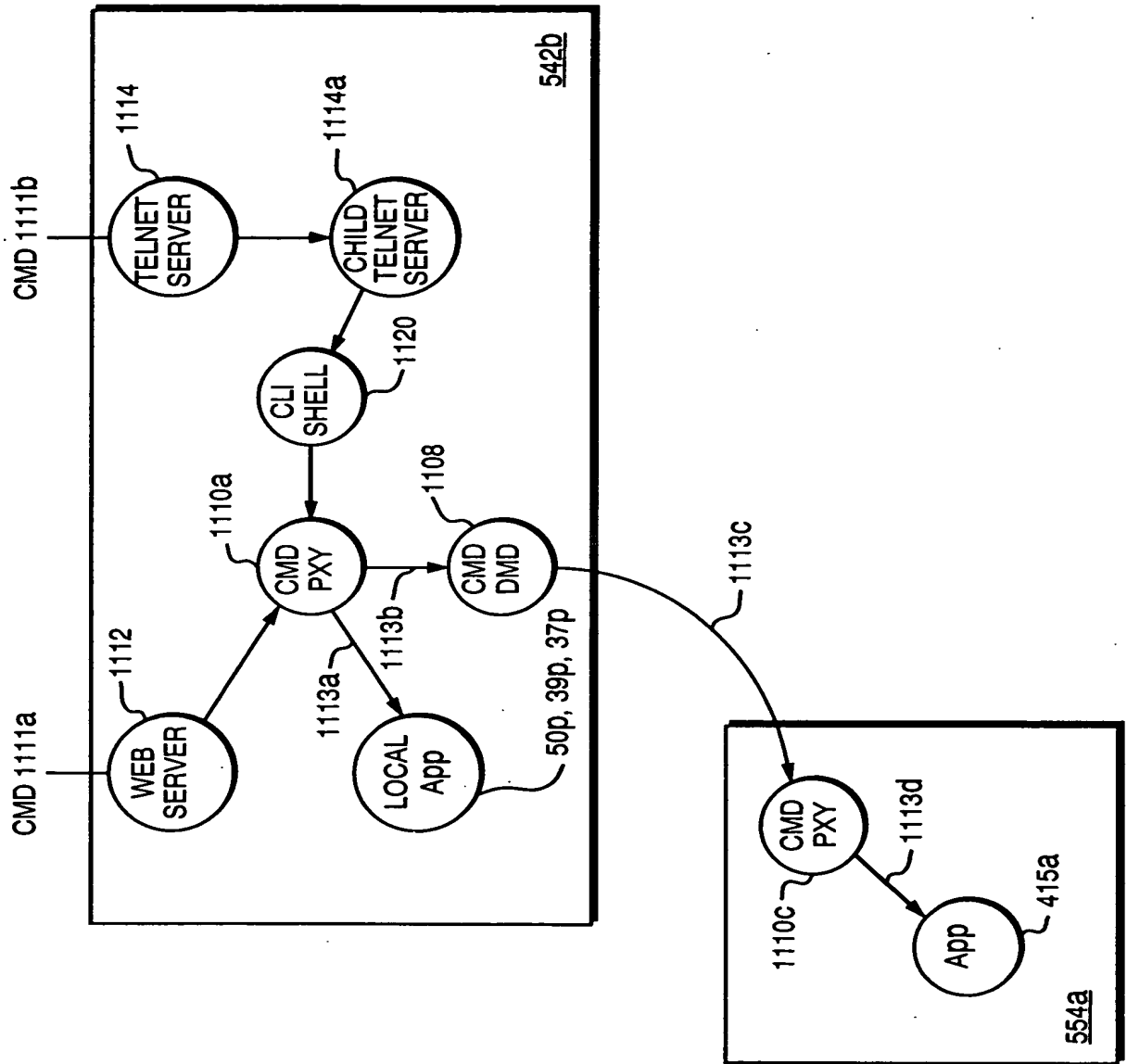


FIG. 81

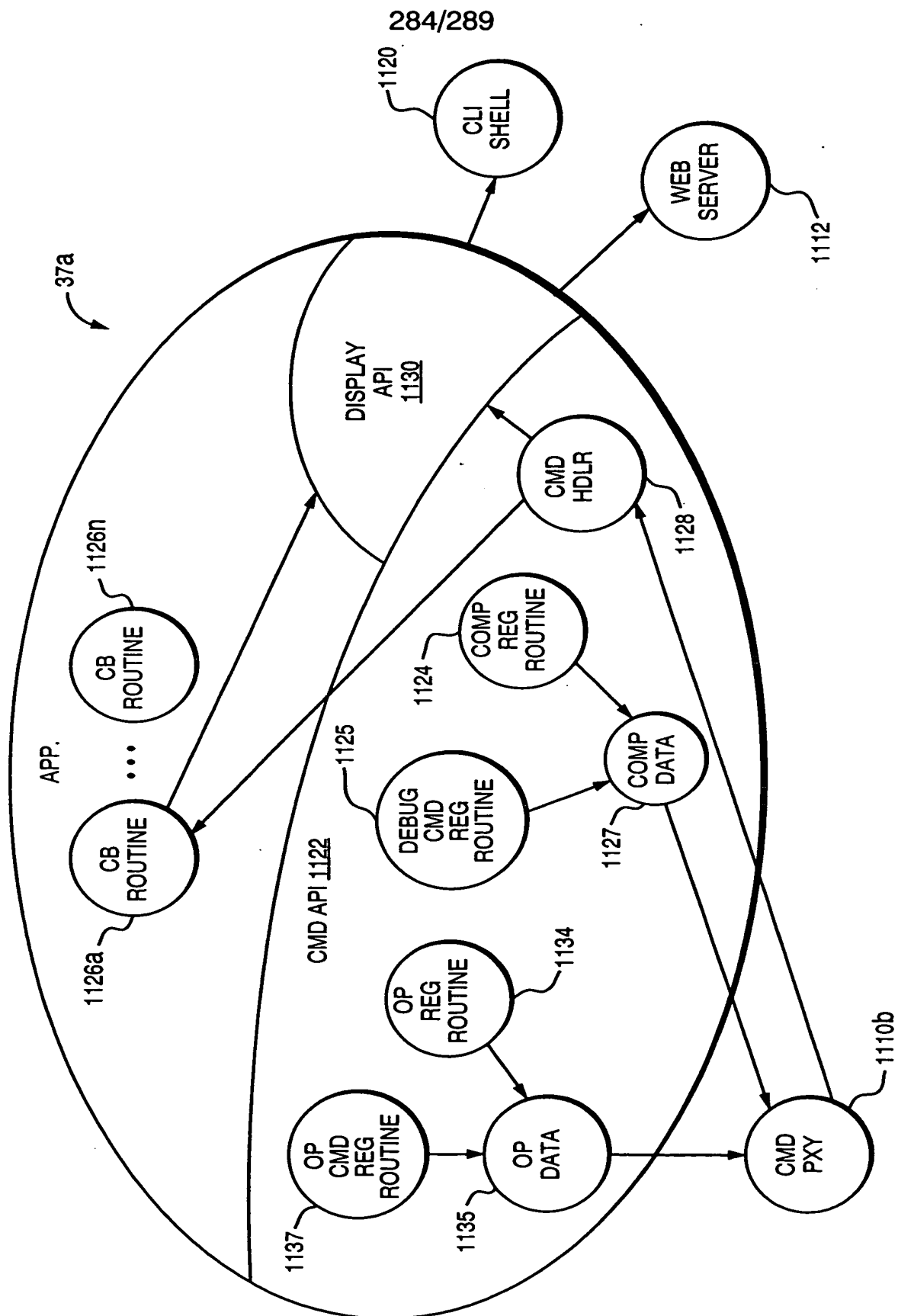


FIG. 82

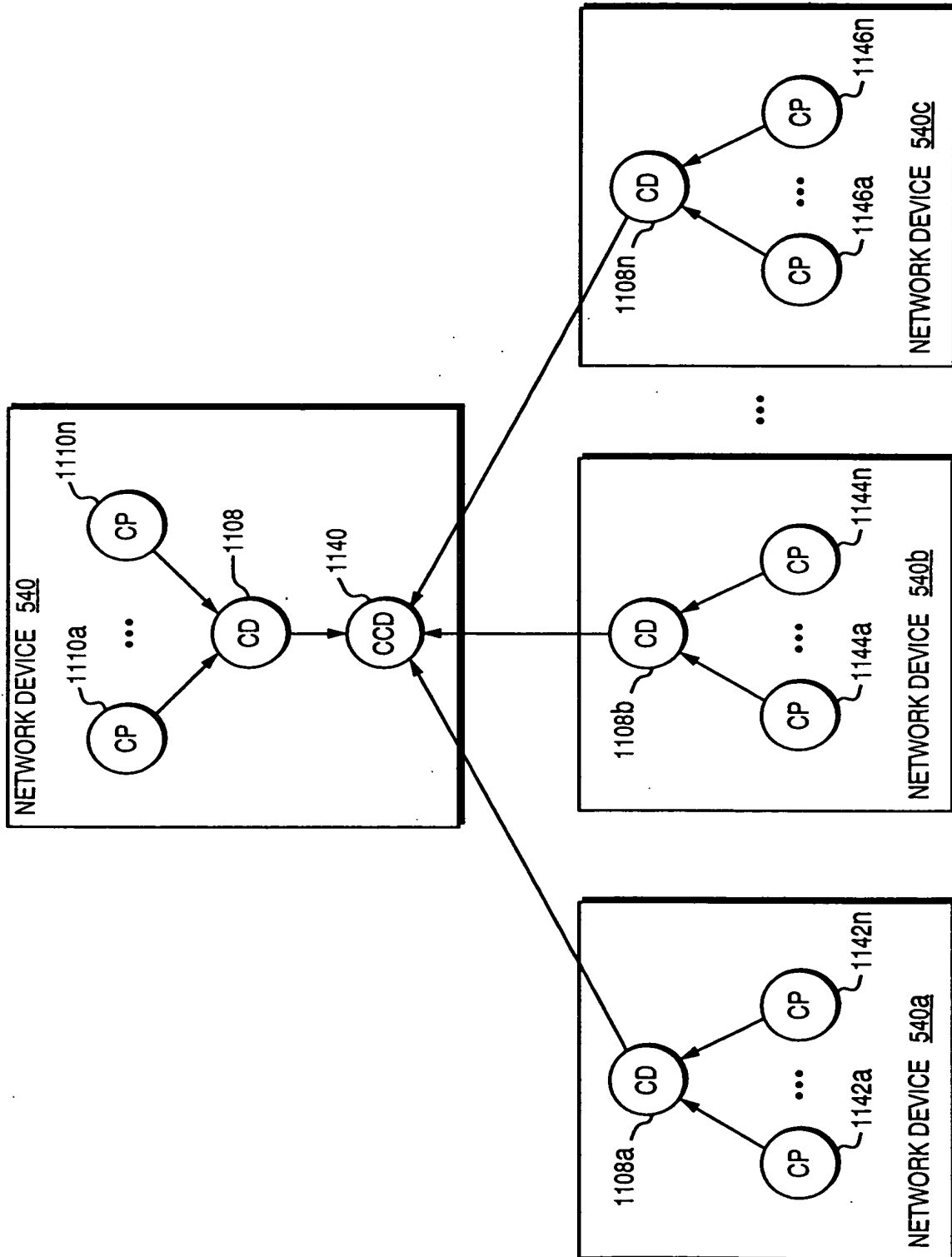


FIG. 83

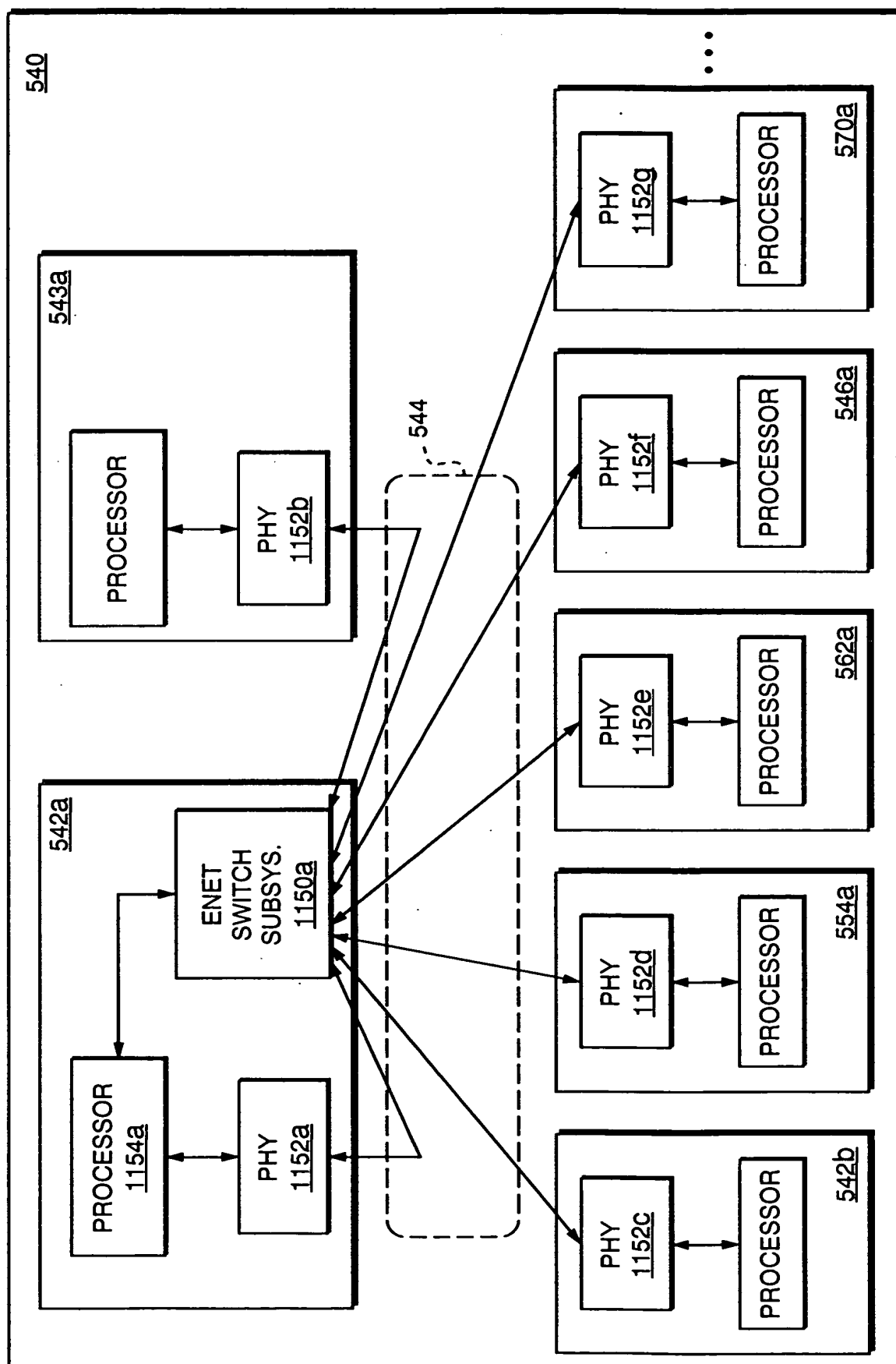


FIG. 84

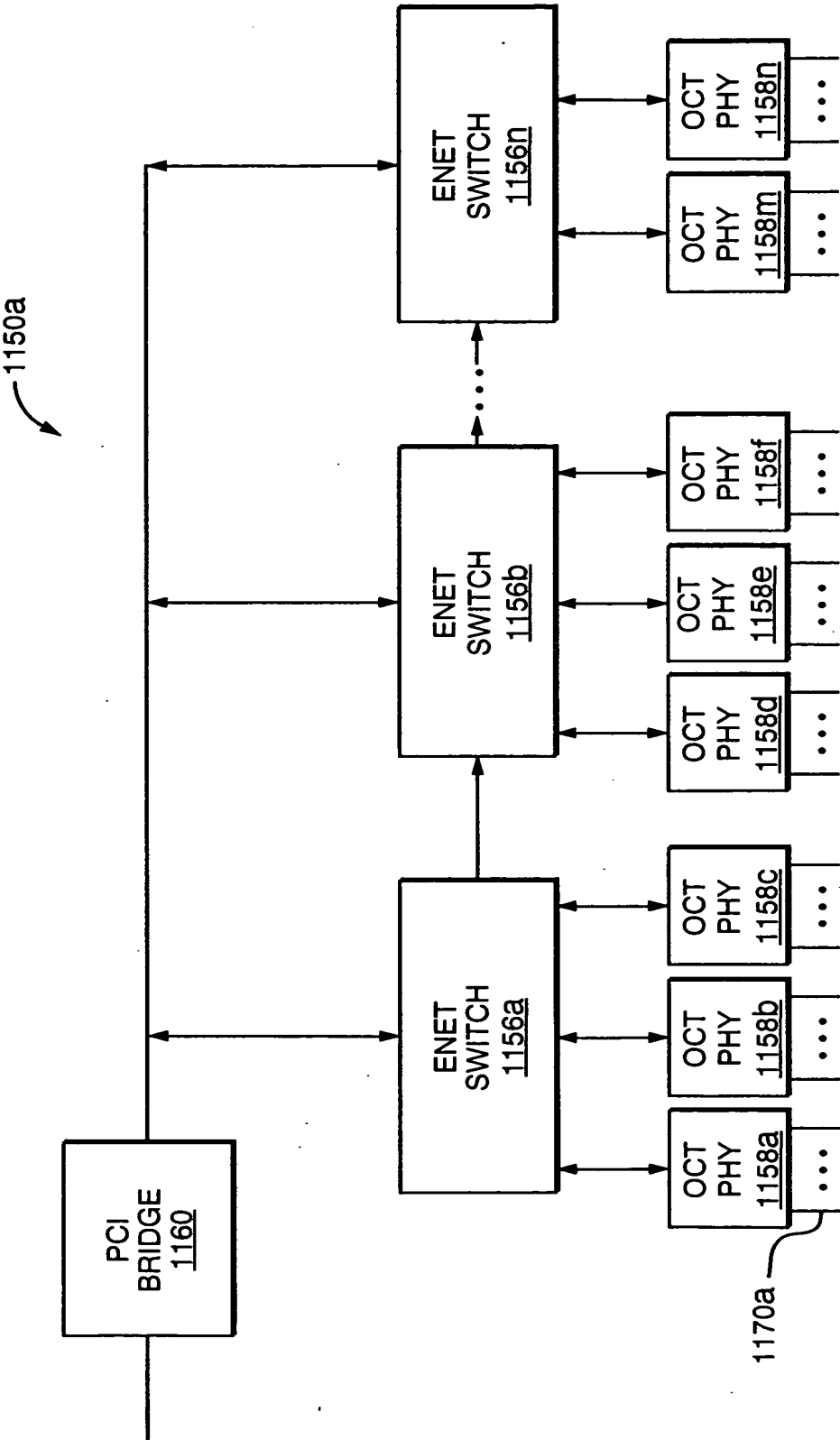


FIG. 85

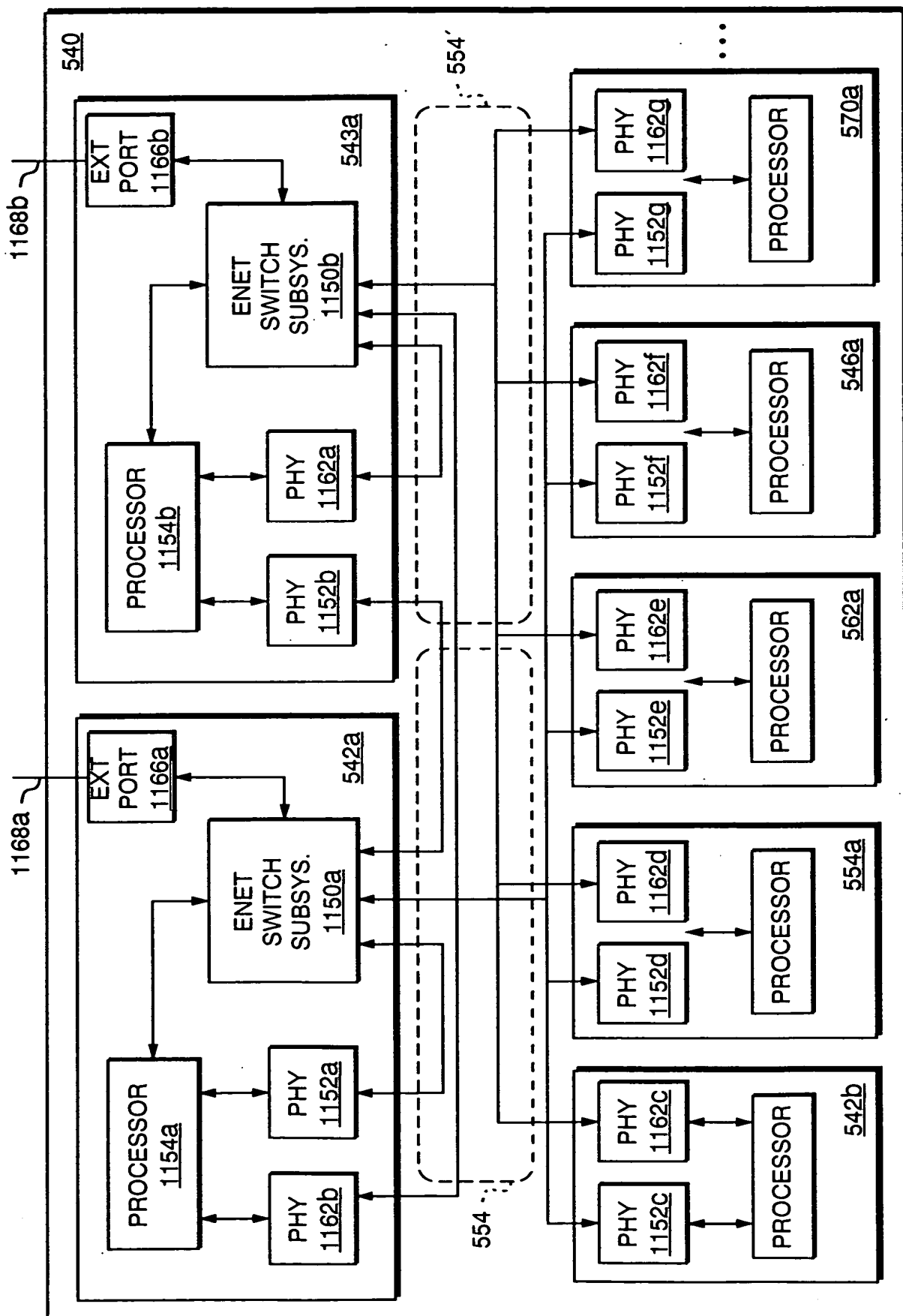


FIG. 86

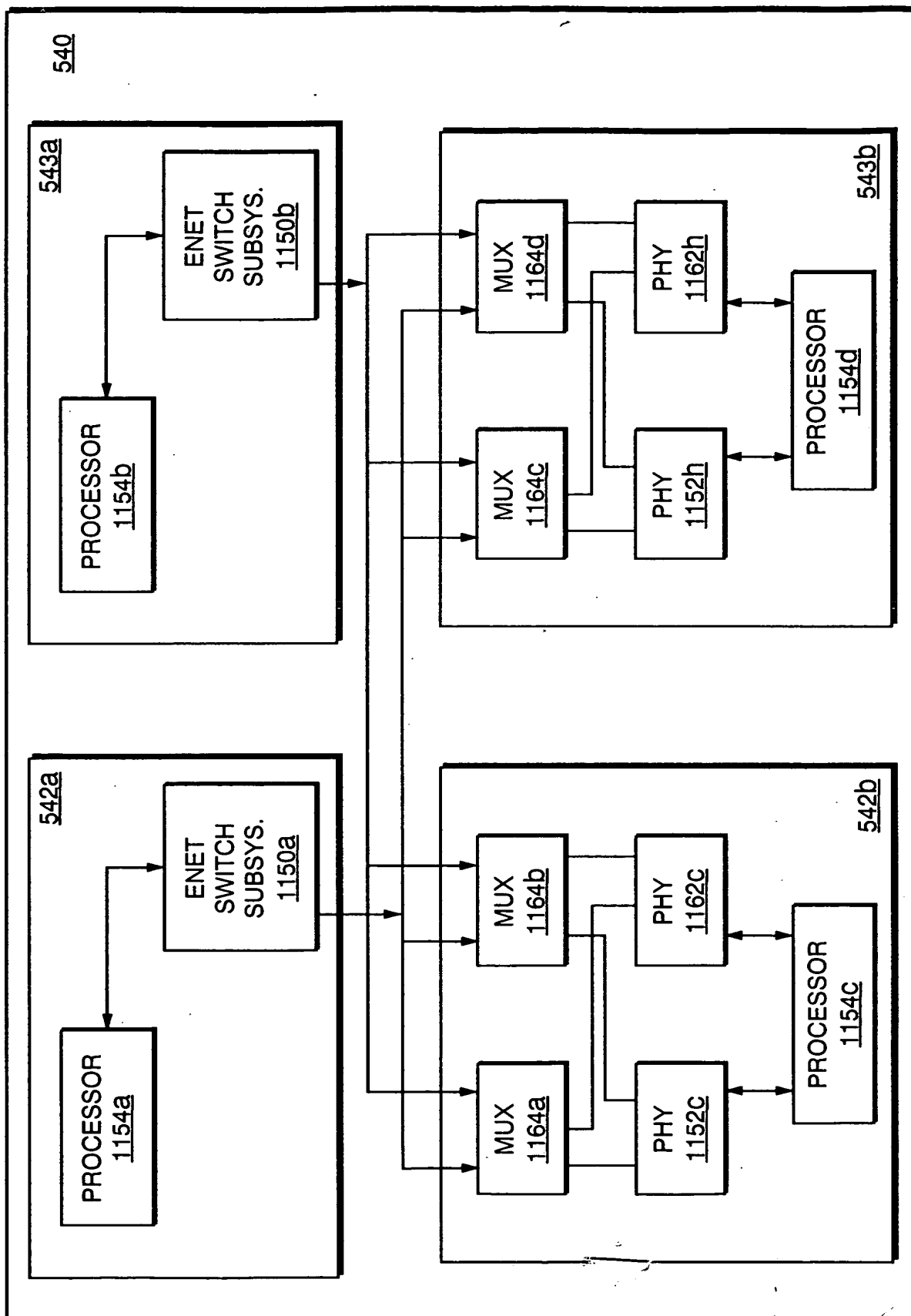


FIG. 87